# Construction News

**Starting with this week's issue we are making under our regular headings subheadings to cover two different classes of work—one to read, "Proposed Work," and the other, "Bids In and Contracts Awarded." The subscriber interested in contracts awarded will therefore not find it necessary to go through the entire list to find out what contracts are closed and what are pending.**

## RAILWAYS—STEAM AND ELECTRICAL

### Proposed Work

**Connecticut**—Connecticut Co., New Haven, Conn., will extend its double-track line on Main St., East Hartford. C. H. Chapman, Mgr.

**New York**—Buffalo & Depew Ry. Co. has asked Council for franchise for extension of its line from Ellicott Rd. and Central Ave. to New York Central R.R. tracks. G. A. Ricker, Ch. Engr.

**New York**—International Ry. Co., Buffalo, N. Y., plans lines as follows: Between Sycamore and William St., in 1916; between William and Seneca St. in 1917; between Sycamore and Ferry St. in 1918 and East Ferry St. and Kensington Ave. in 1919, about three miles in all. E. G. Connette, Pres.

**New York**—International Ry. Co., Kenmore, N. Y., will double-track its main line in Kenmore. J. C. Sheldon, Buffalo, Pur. Agt.

**New York**—Western New York & Pennsylvania Traction Co., Olean, N. Y., plans extension from Westons Mills to Cuba Lake. I. W. Miller, Oleon, Gen. Mgr.

**New Jersey**—Salem-Pennsgrove Traction Co., Salem, N. J., has asked Council for franchise for construction of line between Salem and Pennsgrove. Noted Aug. 26.

**Pennsylvania**—Phoenixville, Valley Forge & Strafford Electric Co., Phoenixville, Penn., has plans for extension of its line from Valley Forge to a connection with Philadelphia & Western Ry. at Bridgeport, about seven miles. Thomas E. O'Connell, Phoenixville, Pres., and Gen. Mgr.

**Virginia**—Richmond, Rappahannock & Northern Ry. Co., Richmond, Va., have had surveys made for proposed line from West Point to Urbanna. Warner Moore, Pres. Noted Aug. 19.

**West Virginia**—Glade Creek Coal Co., Fayetteville, W. Va., will build railway from Ephraim Creek to mine near Landsburg, about 11 miles.

**West Virginia**—Virginia Ry. Co., Winding Gulf, Va., engaged E. M. Merrill, Raleigh County Bank Bldg., Beckley, W. Va., as engineer for work on Winding Gulf coal property.

**North Carolina**—Carolina & Northwestern Ry., Newton, N. C., will improve its roadbed by straightening its line and raising tracks. J. W. Fletcher, Jr., Chester, S. C., Ch. Engr.

**North Carolina**—Virginia Lumber & Box Co., Goldsboro, N. C., will build railway from Sevensprings to Goldsboro. W. L. Muser, Petersburg, Va., Pres.

**South Carolina**—Blue Ridge Ry. Co., Walhalla, S. C., plans extension from West Union to tunnel through Stumphouse Mt. J. R. Anderson, Anderson, S. C., Supt.

**South Carolina**—Charleston-Southern Ry. Co., Charleston, S. C., will build steam or electric railway from Charleston to Hutchinson Island, about 86 miles. Bright Williamson, Darlington, Pres.

**Georgia**—Americus, Hawkinsville & Eastern Ry., Americus, Ga., plans to build a railway from Americus to Hawkinsville via Byromville, about 55 miles. J. S. Morton, Americus, interested.

**Georgia**—Wrightsville, Odrian & Lyons Ry., Adrian, sold to F. J. Garbutt, Sandersville, Ga. The line will be completed.

**Tennessee**—H. H. Mayberry, Nashville, Tenn., interested in railway from Edgefield Junction (Edenwold post office) to Springfield.

**Kentucky**—Yellow Poplar Lumber Co., Pikeville, Ky., will build narrow gage railroad to its lumber mill on Shelby Creek.

**Ohio**—Mansfield Public Utilities Co. purchased Mansfield Ry., Light & Power Co., Mansfield. Frederick Hertenstein, Cincinnati, Pres.

**Indiana**—Erie R.R. Co. appropriated $2,000,000 for double-tracking and elimination of surface crossing in Porter County, Ind. R. C. Falconer, New York, N. Y., Supt. of Constr.

**Wisconsin**—Minneapolis, St. Paul & Saulte Ste. Marie Ry., Minneapolis, Minn., plans to extend its branch line between Stevens Point and Portage to its main line south of Milwaukee, including Madison. C. N. Kalk, Minneapolis, Ch. Engr.

**Iowa**—Des Moines City Ry. Co., Des Moines, Iowa, will extend its line over the Seventh St. bridge, purchase 25 steel cars and rebuild 20 miles of tracks. Estimated cost, $2,000,000. L. L. Sloss, Des Moines, Supt.

**Iowa**—Mason City & Clear Lake Ry. Co., Mason City, Iowa, plans to reconstruct two miles of track in Clear Lake. J. F. Hanlon, Pres.

**Minnesota**—Reports state Great Northern Ry. Co. will build line from Virginia, Minn., to Tower, about 30 miles. A. H. Hogeland, St. Paul, Ch. Engr.

**Kansas**—Anthony & Northern Ry., Hutchinson, Kan., having surveys made for extension of its line from Trouseale to Kinsley and Larned. O. P. Byers, Hutchinson, Pres.

**Kansas**—Iola Electric Ry., Iola, Kan., contemplates extension of its lines from Iola to Humboldt. A. G. Paugh, Ch. Engr.

**Missouri**—Joplin & Pittsburgh Ry. Co., Kansas City, Mo., contemplates purchase of Joplin-Parsons line of Missouri, Oklahoma & Texas Ry. with view of converting it into electric railway. W. A. Satterlee, Gen. Mgr.

**Missouri**—St. Louis Subway & Elevated Corporation, St. Louis, Mo., will build 4.76 miles of elevated and 3.29 miles of subway. James D. Houseman and T. Hiesen, Bank of Commerce Bldg., interested.

**Arkansas**—Ozark Ry. Co., Ozark, Ark., recently incorporated, will build line from Greene County to Rothville, Baxter County, Ark. R. S. Wickersham, Springfield, Mo., Secy.

**Texas**—About 30 miles of electric railway will be built between Temple and Marlin, Tex. S. D. Hanna, Temple, Engr.

**Texas**—Northern Texas Traction Co., Dallas, Tex., petitioned Board of Commissioners of Dallas for franchise for double-track line on Jefferson St. between Oak Cliff Viaduct and Commerce St. C. E. Hollerder, Pur. Agt.

**Texas**—Texas & Pacific Ry. plans branch line from either Big Springs, Tex., or Midland to Seminole. G. J. Ganes, Pres.

**Oklahoma**—Reported that interurban railway from Henryetta to Dewar, about 10 miles, is under consideration.

**Oklahoma**—Surveys being made for railway to connect Columbus, Galena, Baxter Springs, Miami and Centralia by Oklahoma & Interstate Ry. Co., Miami, Okla. John R. Rose, Oklahoma City, Pres.

**Washington**—Tacoma Ry. & Power Co., Tacoma, Wash., will extend its line to Steilacoom. G. W. Rounds, Tacoma, Gen. Supt.

**California**—Bids will be received by Board of Supervisors, San Jose, Calif., for franchise for constructing and operating electric railway. Henry A. Pfister, County Clk.

**California**—Municipal Ry. of San Francisco, San Francisco, Calif., contemplates extending its line on Union St. through Presidio reservation to Fort Winfield Scott. T. A. Cashin, Supt. and Claim Agt.

**California**—South San Francisco Ry. & Power Co., South San Francisco, Calif., received franchise from Council and will build and operate single-track or double-track electric line over extension of Grand Ave. Noted Aug. 19. W. J. Martin, South San Francisco, Pres.

**Alberta**—Edmonton, Dunvegan & British Columbia Ry. will continue construction of its line to Murray's, Alta. J. D. McArthur, Edmonton, Pres.

### Bids In and Contracts Awarded

**South Carolina**—Southern Ry. Co. awarded contract to M. M. ELKAN, Macon, Ga., for second track from Easley to Central and to H. J. DUNAVANT & CO., Knoxville, for second track from Greenville to Easley. W. H. Wells, Easley, Ch. Engr. Const.

**Kansas**—Cudahy Packing Co., Fowler, Kan., awarded contract to CAMERON, JOYCE & CO., Midland Bldg., Kansas City, Mo., for grading, bridging and laying track for eight miles of railway from Fowler to its silicafe beds.

## HEAT, LIGHT AND POWER

### Proposed Work

**N. H., Georges Mills**—Arthur S. Stocker has applied to Public Service Commission for permission to install electric-light system.

**Mass., Ludlow**—Ludlow Electric Light Co. plans new power house on upper East St.

**N. Y., Buffalo**—Buffalo Cold Storage Co. will build power house. Estimated cost, $45,000.

**N. Y., Warsaw**—Warsaw Gas & Electric Light Co. has applied to Public Service Commission to install electric-light plant in Warsaw and Gainesville.

**Penn., Confluence**—Municipal electric-light plant plans to extend transmission lines to Ursina.

**Del., Wilmington**—Plans being prepared by Peucket & Wunder, Arch., Philadelphia, Penn., for baking plant, stable and power house for William Freihofer Baking Co.

**Md., Baltimore**—Carnegie Steel Co. plans storage and power plant building on Wicomico St. between Bush and Elk St.

**W. Va., Martinsburg**—Martinsburg Power Co. will be reorganized under the name of the Potomac Light & Power Co. Plans being considered for improving four existing dams and five plants of company. Estimated cost, $100,000.

**N. C., Granite Falls**—Granite Falls Mfg. Co. plans to equip its cotton mill with electrically driven machinery. Estimated cost, $40,000.

**N. C., Lumberton**—Bids will be received by city until Oct. 12 for improving municipal electric-light system.

**Ga., Cornelia**—Wafford Shoals Light & Power Co. plans to double transformer capacity of its plant at Wafford Shoals, near Baldwin.

**Ala., Fairhope**—Citizens voted bonds for municipal electric-light plant.

**Tenn., Chattanooga**—Chattanooga and Tennessee River Power Co. plans to install four generators at its Hades Bar plant.

**Ky., Johnson City**—City considering municipal electric-light plant.

**Ky., Winchester**—Kentucky River Power Co., Hazard, plans new power plant and transmission system. Estimated cost, $325,000.

**Ohio, Cleveland**—St. Johns Hospital will build boiler house at 7911 Detroit Ave. Estimated cost, $10,000.

**Ohio, West Salem**—West Salem Light and Ice Co. granted franchise for electric-light plant in connection with its ice factory.

**Ind., Portland**—City Engineer authorized to prepare estimate of cost of extension to municipal power house to provide space for transformers.

**Mich., Morley**—A number of Detroit business men are negotiating the purchase of dam and flowage rights of Little Muskegon Power Co. If same is purchased power plant will be built. Estimated cost, $30,000.

**Ill., Dixon**—Bids will be received until Oct. 18 by Board of Administration, Capitol, Springfield, for power house, laundry building, cold-storage building and bakery on site of State Colony for Epileptics, about three miles north of Dixon.

**Wis., Haugen**—Franchise granted Wisconsin-Minnesota Light & Power Co. of Eau Claire for electric-light and power plant.

**Wis., Maiden Rock**—Permission granted L. Mathys to construct and operate electric-light plant.

**Iowa, Glidden**—J. C. Merritt contemplates electric-light plant. Estimated cost, $5,000.

**Iowa, Iowa Falls**—Iowa River Light Co. has applied for a franchise to transmit electricity from its plant to Morrison and Reinbeck.

**Iowa, Marathon**—Citizens voted $12,000 bonds for municipal electric-light plant. Noted Aug. 19.

**Iowa, West Union**—According to press reports Turkey River Power Co. plans new addition to its plant. Estimated cost, $20,000.

**Minn., Butterfield**—Citizens voted $8,000 bonds for electric line to connect with line at St. James of Consumers Power Co.

**Minn., Waverly**—E. G. Howard, St. Cloud, plans to install electric-light plant in Waverly.

**Minn., West Concord**—Village Council granted franchise to Commonwealth Power Co. of Mankato for electric-light plant.

**Kan., Atwood**—Plans being prepared by Black & Veach, Engr., 507 Interstate Bldg., Kansas City, Mo., for municipal electric-light plant. Estimated cost, $14,000.

**Kan., Goff**—Citizens voted $8,000 bonds for transmission line from Centralia.

**Kan., South Haven**—An additional generating unit will be installed in plant of South Haven Electric Light Co. A 25-hp. oil engine and 30-kw. generator will be required.

**S. D., Bradley**—E. H. Lewis, Lake Preston, plans to install electric-light plant in Bradley.

**Ore., Roseburg**—City Council petitioned to issue $225,000 bonds for municipal electric-lighting system.

**Calif., Burbank**—Election will be held Oct. 12 to vote $30,000 bonds for electric-light plant and distributing system.

**Calif., Hanford**—Plans prepared for heating and ventilating system to be installed in central school. Estimated cost, $10,000. Noted Aug. 19.

**Que., Quebec**—Armagh Electric Co. plans to build electric-light plant to supply electricity to five of principal villages in Bellechasse County.

**Ont., Ridgetown**—Plans will be prepared for hydro-electric power station. Estimated cost, $10,000.

**Alta., Calgary**—City considering proposal of Alberta Hydro-Electric Power Co. to build electric-light plant and supply electricity to city.

### Bids In and Contracts Awarded

**N. Y., White Plains**—(Official)—Contract for heating and ventilating in new courthouse awarded to TERAN, MAHONEY & MUNRO at $18,000.

**Penn., Harrisburg**—Contract for electrical work for three buildings to be constructed at State Hospital for Insane at Fairview awarded to FRANCIS BUCHANAN, Philadelphia.

**Penn., Philadelphia**—Contract for electrical equipment for six-story building at 11th and Race St. awarded to UNITED ELECTRIC CONSTRUCTION CO., Philadelphia.

**Tex., San Angelo**—(Official)—Contract awarded to BOLLINGER-PESTTY CO., at $13,400, for heating and plumbing equipment in new high school.

## BRIDGES

### Proposed Work

**Maine, Frankfort**—State Highway Commission, Augusta, extended date for receiving bids for bridge in Frankfort to Oct. 5.

**Conn., Hartford**—Bids will be received by State Highway Commissioner until noon, Oct. 11, for superstructure of bridges in New Hartford, Southington and Granby.

**Conn., Hartford**—State Highway Commisisoner accepted plans for Strauss bascule bridge for the lift draw over the Saugatuck River, Westport.

**N. Y., Binghamton**—Bids will be received by the County Superintendent of Highways until 10 a.m., Oct. 4, for replacing the bridge over Big Snake Creek near Corbettsville.

**N. Y., Binghamton**—Bids will be received until 7 p.m., Oct. 1, by County Superintendent of Highways, for bridge over Choconut Creek, Dickinson.

**N. Y., Ft. Edward**—(Official)—Bids will be received by Alfred Case, Jr., Town Supt., until 2 p.m., Oct. 9, for bridge over the Hudson River at Ft. Edward.

**N. Y., Lyons Falls**—Plans prepared by Frank Williams, State Engr., Albany, for completing bridge over Black and Moose Rivers at Lyons Falls. Estimated cost, $59,385.

**N. Y., Olean**—Common Council rejected all bids received Sept. 7 for highway bridge over the Allegheny River at 17th St., Olean. Noted Aug. 26.

**N. Y., Schenectady**—Frank Williams, State Engr., Albany, approved plans for bridge across Mohawk River at Schenectady.

**Penn., Doylestown**—Bids will be received until Oct. 4 by the Commissioners of Bucks County for bridge over Pleasant Springs Creek, Doylestown.

**Penn., Glenfield**—Bids will be received by W. N. Kratzer, Burgess, until Oct. 27, for reconstructing bridge over Killbuck Creek, Bridge St.

**Va., Goochland**—(Official)—Bids will be received until noon, Oct. 4, at the Clerk's Office, Goochland County, for bridge over Byrd Creek, about one mile from Elk Hill. G. P. Coleman, State Highway Comr.

**S. C., Greenville**—Plans being considered by Southern Ry. for a steel viaduct with concrete pedestals across Saluda River on double track between Greenville and Central. W. H. Wells, Washington, D. C., Ch. Engr. Constr.

**Fla., Arcadia**—Bids will be received until Oct. 11 by A. L. Durrance, Clk., De Sota County Comrs., for bridges in Special Road and Bridge District No. 1.

**Fla., De Land**—Election will be held in Volusia County Nov. 9 to vote $110,000 bonds for bridges and roads.

**Fla., Miami**—Election will be held Oct. 19 in Dade County to vote on organization of special road and bridge district and to issue $275,000 bonds for bridges and road from Miami to Marco.

**Miss., Belzoni**—Bids will be received until Oct. 4 for reinforced-concrete bridge across Fisk Bayou.

**Ohio, Batavia**—Bids will be received by C. Searles, County Audr., until noon, Oct. 4, for steel superstructure and flooring over east fork of Little Miami River.

**Ohio, Wapakoneta**—Bids will be received by F. W. Langhorft, County Audr., until 10 a.m., Oct. 9, for two concrete arches at either end of Hamilton St., Wapakoneta.

**Ind., Bedford**—An appropriation of $15,000 made by City Council for concrete bridge across Salt Creek.

**Ind., Greensburg**—City Council plans an expenditure of $12,500 for bridge repairs.

**Ind., Monticello**—An appropriation of $25,000 made by County Commisisoners of White County for new bridges and for Springboro Bridge.

**Mich., Benton Harbor**—Election will be held Oct. 11 to vote $53,000 bonds for viaducts on Britain and Edwards Ave. and High St.

**Mich., Grand Rapids**—According to press reports county and state plan bridge across Plaster Creek at Grand Ave.

**Ill., Carmi**—(Official)—Bids will be received until 1:30 p.m., Oct. 5, at the County Clerk's Office, for bridge work in Carmi Township, White County. G. H. Brown, Carmi, County Supt. Highways.

**Ill., Shelbyville**—Plans approved by County Board of Supervisors for bridge over Kaskaskia River between Shelby and Moultrie Counties, about three miles east of Findlay. Estimated cost, $21,000.

**Minn., Breckenridge**—Bids will be received until Oct. 8 by P. E. Truax, County Audr., for six steel culverts and 11 steel bridges. Estimated cost, $12,228.

**Minn., Springfield**—Bids will be received by Charles L. Palmer until 1 p.m., Oct. 9, for bridge on public highway over coal mine, Brown County.

**Neb., Fairbury**—Plans being prepared for a 700-ft. bridge in Fairbury to replace present structure. G. N. Johnson, Lincoln, State Engr.

**N. D., Cavalier**—County Commissioners considering bridges in Bathgate Township. W. M. Felson, County Audr.

**Mont., Hamilton**—Bids will be received by F. C. Robbins, County Clk., until 2:30 p.m., Oct. 4, for six bridges in Raville County.

**Mont., Hardin**—Bids will be received until 2 p.m., Oct. 4, by Board of Commissioners of Big Horn County, for highway bridge over Tongue River, Township 9, South Range 40 East, Big Horn County.

**Tex., Dallas**—Bids will be received by the County Commissioners until 10 a.m., Oct. 30, for the Commerce St. Viaduct over Trinity River. Estimated cost, $135,000. Noted Aug. 5.

**Tex., Rockport**—Citizens of Aransas County voted $300,000 bonds for causeway across Aransas Bay between Lamar and Live Oak peninsulars. Noted Sept. 9.

**Tex., Waco**—Election will be held Oct. 19 to vote $10,000 bonds for bridges.

**Okla., Chandler**—(Official)—Date for receiving bids for 12 bridges extended to Oct. 4. Noted Sept. 9.

**Idaho, Hailey**—County Commissioners rejected all bids received Sept. 13 for bridge across Malad River. New bids will be asked. Noted Sept. 9.

**Ariz., Holbrook**—Election will soon be held to vote $68,000 bonds for bridges on county roads.

**Wash., Hoquiam**—Citizens defeated $100,000 bond issue for two bridges and paving.

**Ore., Portland**—Municipal Department of Public Works completed plans for extension of Union Ave. from its present terminus at Bryant St. northward to Columbia Slough Rd. to connect with the interstate bridge approach. A reinforced-concrete viaduct will be required. Estimated cost of viaduct, $33,000, and fill, $13,000.

Calif., **Yuba City**—County Surveyor instructed to prepare plans for steel draw bridge over Feather River at Nicholaus. Estimated cost, $75,000.

Ont., **Trenton**—City will build reinforced-concrete bridge across Trent River. Estimated cost, $40,000.

Que., **Ste. Martine**—Bids will be received by N. Mallette, Secy. and Treas., until 7 p.m., Oct. 4, for steel bridge at the outlet of Beau River, Parish of Ste. Martine, Chateauguay County.

**Bids In and Contracts Awarded**

Maine, **Kingfield**—Bids were received by State Highway Commission, Augusta, for bridge in Kingfield as follows: C. H. Barron, Lewiston, $17,263; Edmond Cyr & Co., Waterville, $17,321; H. P. Cummings Co., Portland, $18,487.

N. Y., **Albany**—Contract for substructure, superstructure and approaches of Gorham St. Bridge, Waterloo, awarded to SCOTT BROS., Rome, at $59,928. Noted Aug. 19 and Sept. 23.

N. J., **Matawan**—Board of Chosen Freeholders of Monmouth County awarded contract for bridge over Matawan Creek on South Amboy-Keyport Rd. to LONG-BROADHURST CO., Hackensack, at $34,320. Noted Aug. 19 and Sept. 23.

Penn., **Bangor**—(Official)—Contract for County Bridge No. 48 over Martins Creek, Borough of Bangor, awarded to JACOB STEM, Stroudsburg, at $4,450. Noted Sept. 2.

Ky., **Pineville**—Contract for bridge across Cumberland River near Brownies Creek awarded to VINCENNES BRIDGE CO., Vincennes, Ind., at $9,021.

Ohio, **Cleveland**—(Official)—Contract for foundation and approaches of Union Ave. grade crossing awarded to ROBERT GRACE CONTRACTING CO., Pittsburgh, Penn., at $103,373; steel work, KING BRIDGE CO., Cleveland, at $34,892. Noted Sept. 2.

Ohio, **Youngstown**—Contract for steel bridge across Mahoning River on Fredericksburg Rd., Milton Township, moving and erecting Carson Bridge over Mahoning River, also grading stretch of Palmyra Rd. awarded to MASSILLON BRIDGE & STRUCTURAL CO., Massillon, at about $9,000.

Ind., **Logansport**—Vandalia R.R. Co. awarded contract for bridge over Wabash River to WISCONSIN BRIDGE & IRON CO., North Milwaukee, at about $60,000.

Iowa, **Avoca**—Contract for bridge over Nishnabotna River near Avoca awarded to IOWA BRIDGE CO., Des Moines, at $6,965.

Iowa, **West Union**—WATERLOO CONSTRUCTION CO., Waterloo, at $12,980, awarded contract for steel truss bridge in Oran Township, concrete deck girder bridge in Jefferson Township and concrete box culverts in Oran Township.

Neb., **Harrison**—Contract for bridge across Hat Creek near Montrose awarded to WESTERN BRIDGE & CONSTRUCTION CO.

N. D., **Beach**—Contract for bridge on Section 15-142-104 awarded to NORTHERN BRIDGE CO.

Mont., **Roundup**—(Official)—Contract for three bridges over the Musselshell River at Gage, Delphia and Ryegate awarded to SECURITY BRIDGE CO., Billings, as follows: Gage, $6,988; Delphia and Ryegate, $8,990 each. Contract for Absher Bridge not awarded. Noted Sept. 9.

Mont., **Virginia City**—Contract for two bridges over Big Hole Creek awarded to O. E. PEPPARD, at $8,980.

Okla., **Catoosa**—R. W. CANFIELD, at $17,900, awarded contract for bridge over Verdigris River at Claremore.

Calif., **Oroville**—Contract for eight concrete bridges on State Highway between Durham and Nelson awarded to CHICO CONSTRUCTION CO., Chico, at $12,987.

Ont., **Simcoe**—Contract for Argyle St. bridge for Lake Erie & Northern Ry. Co. awarded to JOHNSON BROS., Brantford. Estimated cost, $4,600.

**Alberta**—Contract for superstructure of railway bridge over Smoky River, Alberta, for Dominion, Dunegan & British Columbia Ry. awarded to DOMINION BRIDGE CO., LTD.

## WATER-WORKS

**Proposed Work**

N. Y., **Rochester**—Common Council authorized bond issue of $100,000 for water system

N. J., **Jersey City**—City Commissioners will soon ask bids for twin pipe line from Brooksdale to Jersey City. Estimated cost, $1,500,000. Henry M. Byrne, Comr.

Penn., **Leighton**—Citizens contemplate municipal water system.

Penn., **Newport**—City considering water and sewage system.

Penn., **Pine Grove**—Permit granted for storage reservoir and gravity supply main.

Del., **Newport**—Citizens contemplate water and sewer systems.

Va., **South Boston**—Anderson & Christie, Charlotte, N. C., is Engr., for water and sewer systems. Bids will probably be received for construction in October. Estimated cost, $125,000. E. U. Hardig, City Clk. Noted Aug. 19.

Ga., **Savannah**—City plans to improve water system.

La., **Shreveport**—Water Company declined to accept offer of city of $750,000 for its plant. Election will be held Nov. 4, to vote $1,200,000 bonds for municipal water system. Noted Sept. 23.

Tenn., **Lonsdale**—(Knoxville post office)—Election will be held Oct. 30 to vote on $30,000 bonds for water system.

Ky., **Louisville**—Louisville Water Board rejected all bids for laying 48-in. water main and will do the work itself.

Ky., **Paducah**—Citizens contemplate issuing $250,000 bonds for water system.

Ohio, **Byesville**—Election will be held in November to vote $40,000 bonds for water system.

Ohio, **Cincinnati**—Election will be held to vote $400,000 bonds for high-pressure fire service.

Ohio, **Cleveland**—(Official)—Bids will be received by Commissioner of Purchases and Supplies, Room 511, City Hall, until noon, Oct. 6, for c.-i. adjustable valve boxes for Department of Public Utilities, Division of Water.

Ohio, **Farmersville**—(Official)—Construction of waterworks will probably be postponed until next year. A. F. Gilbert, Village Clk. Noted Aug. 26 and Sept. 16.

Ohio, **Findlay**—City Council plans to issue $5,000 bonds to extend water mains to West Park.

Ohio, **Middletown**—(Official)—Bids will be received until noon, Oct. 6, by City Commissioners, for driving a number of wells.

Ohio, **Weston**—(Official)—Citizens defeated bond issue for water system. Noted Sept. 16.

Ind., **Miller**—Date for receiving bids for water system extended to Oct. 20. Estimated cost, $14,000. Noted Aug. 26 and Sept. 9.

Ind., **Monticello**—Bids will be received until Oct. 12 by City Council for two compound duplex pumps for water-works. F. L. Miner, City Clk.

Mich., **McBain**—Citizens voted $9,400 bonds for water system.

Mich., **Wyandotte**—Citizens defeated $30,000 bond issue for water system and electric-light plant.

Ill., **Clinton**—City Council will purchase high-pressure fire pump. Estimated cost, $4,500.

Ill., **East Dundee**—Koeppen, Schartow & Ehylert, Dundee, at $7,564, was low bidder for reinforced-concrete reservoir.

Ill., **Galesburg**—Election will probably be held to vote $100,000 bonds for water system and electric-light plant.

Ill., **Jacksonville**—Bids will be received until 3 p.m., Oct. 4, by Frank D. Whipp, State Fiscal Superv., for c.-i. water main to be installed at Illinois School for Blind.

Ill., **Mackinaw**—Citizens voted $8,500 bonds for purchase of water-works. Noted Sept. 9.

Ill., **Monticello**—Bids will be received until 8 p.m., Oct. 12, by City Clk., for two compound duplex steam pumps with necessary valves, piping, razing steel standpipe and brick tower.

Wis., **Cornell**—Work will soon be started on new water system.

Iowa, **Kanawha**—(Official)—Bids will be received by the City Clk. until 2 p.m., Oct. 15, for 30,000-gal. steel tank on an 80-ft. tower and 7,000 ft. of 4- to 6-in. water main.

Iowa, **Marcus**—Bids will soon be received for pumping station, steel tower and tank and water mains. G. Y. Skeele, Sioux City, Engr. Noted Sept. 16.

Iowa, **Sidney**—Bids will be received by C. B. Hatton, Town Clk., until 2 p.m., Oct. 5, for improving water system. Noted Aug. 29.

Iowa, **Terril**—Bonds for $8,500 sold for water system.

Minn., **Aurora**—Bids will soon be received for concrete reservoir and brick pumping station, also for two 600-gal. pumps.

Minn., **Ely**—Election will be held to vote on bond issue for improvements to water system.

Minn., **Mahnomen**—Village Council plans to extend water mains four blocks south on Main St. from Monroe Ave.

Minn., **Minneapolis**—Bids will be received until 3 p.m., Oct. 7, by Kossuth E. Alexander, City Pur. Agt., for furnishing riveted-steel pipe.

Minn., **Red Lake Falls**—Bids will be received until 7:30 p.m., Oct. 4, by Joseph Perrault, City Clk., for drilling artesian well.

Minn., **St. Paul**—(Official)—City will issue $400,000 bonds for 30-million-gal. and seven-million-gal. covered reservoir, 15-million-gal. pumping engine, motor driven, revolving screening equipment with building estimated to cost $10,000 and two Venturi meters with necessary piping.

Minn., **St. Paul**—Board of Commonwealth ordered water mains laid on Central Ave. from Lexington Ave. to Dunlap St., James St. from Lexington to Summit Ave., Farrington Ave. from Lawson to Oliver St., Hand Ave. from Front to Geranium St., Chestnut St. from Washington to Water St., Water St. from Eagle to St. Clair St., Elm St. from the levee to Mill St. and Mill St. from Elm St. to Smith Ave.

Minn., **Sleepy Eye**—Bids will be received until 8 p.m., Oct. 5, by H. C. Peterson, City Recdr., for making extensions to water system.

Minn., **Thief River Falls**—Bids will be received until 8 p.m., Oct. 5, by E. J. Overland ,City Clk., for 1,250 lin.ft. 6-in. water mains, three hydrants, three 6-in. tees, two 6-in. gate valves and boxes, and twelve 6-in. plugs.

Kan., **Ford**—Investigation will be made by Commercial Club regarding possibility of securing water system and electric-light plant.

Kan., **Manhattan**—Public Utilities Commission has authorized issue of $69,500 bonds for improving water system.

Neb., **Pleasantville**—Bids will be received until 4 p.m., Oct. 12, by A. E. Pearson, City Clk., for water system.

Neb., **Schuyler**—Citizens plan to extend water system.

N. D., **Minot**—(Official)—Bids will be received until 8 p.m., Oct. 4, by Board of City Commissioners for about two miles of 6- to 8-in. watermain, 25 hydrants and 29 gates. Estimated cost, $18,357. E. J. Thomas, City Engr. (See adv.)

**Mo., Eldorado Springs**—Citizens defeated proposition to issue $15,000 bonds for extension of water system. Noted Aug. 19.

**Mo., Lees Summit**—Plans being prepared by Henrici, Kent & Lowry Engineering Co., Kansas City, for water system. Estimated cost, $45,000.

**Tex., Amarillo**—Plans being prepared by Burns & McDonnel, Engr., Kansas City, Mo., for water system.

**Tex., Galveston**—City Commission applied to War Department for services of Lieut. Col. C. S. Riche, U. S. Army Engr., to supervise permanent water-main between Galveston and Alta Loma plant. Main to be 30 or 36 in. in diameter. Estimated cost, $150,000 to $200,000.

**Colo., Platteville**—Citizens voted $20,000 bonds for water system. Noted Sept. 9.

**Idaho, Council**—Election will be held Oct. 11 to vote $20,000 bonds for municipal water system. Noted Aug. 26.

**Idaho, Kellogg**—Kellogg Water Power Co. received franchise from City Council for constructing and operating water system.

**Wash., Ridgefield**—Election will be held Oct. 23 to vote $11,000 bonds for water system. Noted Sept. 2 and 16.

**Wash, Seattle**—Board of Public Works contemplates water mains in Dexeter Ave. Estimated cost, $32,000. C. H. Dimock, City Engr.

**Ore., Amity**—Ralph Marvin, City Engr., instructed to prepare plans for water system. Estimated cost, $15,000.

**Ore., Prineville**—Project is on foot to form irrigation district to build reservoirs on Ochoco and Crooked Rivers to obtain sufficient water to reclaim about 25,000 acres of land north of Prineville. E. J. Wilson and H. A. Kelly interested.

**Que., East Angus**—Extensions will be made to water system. Estimated cost, $5,000. R. C. Cowling, City Clk.

**Ont., Markham**—E. A. James, Engr., 57 Adelaide St., Toronto, preparing plans for extensions to waterworks system. Cost, $25,000. New mains, tanks, and 60,000-gal. storage basin.

**Man., The Narrows**—Bids will be received until 2 p.m., Oct. 12, by H. H. Elliott, Town Clk., for improvements to water system. Murphy & Underwood, 8 Bottomley Blk., Saskatoon, Sask., Engr. Noted July 29.

**Man., Winnipeg**—Board of Control contemplates water main extensions in Centennial Ave. Estimated cost, $5,000. W. P. Brereton, 223 James Ave., Engr.

### Bids In and Contracts Awarded

**Conn., Haddam**—Contract for 4,600 ft. of tarred pipe in connection with water supply for county home and all buildings at Haddam awarded to BROWN BROS., Middletown, Conn.

**N. Y., Manchester**—(Official)—Contract for water system awarded to BLIVEN & BEALS, Rochester, at $23,418. Noted Sept. 2.

**New York, N. Y.**—(Official)—Contract awarded to F. N. KEWIS, 411 Manhattan Ave., New York, at $13,411, by Board of Water Supply for water-pipe equipment in shafts of city tunnel of Catskill Aqueduct. Noted Sept. 9.

**Penn., Connellsville**—Contract for addition to pumping station of Connellsville Water Co. at Bluestone awarded CONNELLSVILLE CONSTRUCTION CO.

**Penn., South Bethlehem**—Contract for water system at University Heights awarded to STANDARD SUPPLY CO., Philadelphia, at $10,000.

**Md., Baltimore**—Contract awarded to UNITED STATES CAST IRON PIPE & FOUNDRY CO., Burlington, N. J., at $4,895 for water pipe and fittings.

**La., Gretna**—J. R. Sutherlin & Co., Kansas City, Mo., at $46,830, submitted the lowest bid for water system.

**Ky., Covington**—(Official)—Bids were received Sept. 16 for trenching in Licking River, (a) one line, (b) two lines, from: L. Eid Concrete and Steel Co., (a) $23,090, (b) $29,446; Thomas P. Strack, (a) $27,217, (b) $38,930; Claude Harris, (a) $27,952, (b) $39,532. George Hornung & Son, Newport, Consult. Engr. Noted Sept. 9.

**Ohio, Brewster**—Contract awarded to ROSS-COOK ENGINEERING CO., 193 Brosby St., Akron, at $19,000, for water system. W. J. Sherman Co., Nasby, Toledo, Engr. Noted Sept. 16.

**Ohio, Cleveland**—Contract for test borings at Kirtland filtration plant awarded to GILBERT & HARTSHORNE CO., at $4,390. Noted Aug. 19.

**Wis., Madison**—Contract awarded by Board of Public Works to ALLIS-CHALMERS MFG. CO., Milwaukee, at $8,815, for sub-pumping station at Greenbush, near Madison.

**Wis., Oconomowoc**—Contract awarded to A. J. HEWITT, Milwaukee, at $7,000 for water and sewer systems in Woodland Park for Frederick Pabst.

**Wis., Wittenberg**—Contracts for water system awarded as follows: Pipe, AMERICAN CAST IRON PIPE CO., at $4,815; valves and hydrants, LUDLOW VALVE CO., at $503; laying pipe, F. C. KAMINSKI, at $3,135. Noted July 29.

**Iowa, Traer**—Contract for 200,000-gal. storage reservoir and water mains awarded to JOSEPH SEDA, Traer, at $4,560. Noted Sept. 16.

**Mont., Chinook**—Contract awarded to PITTSBURGH FILTER MFG. CO., Pittsburgh, Penn., at $16,415, for filtration plant. Noted Sept. 23.

**Mont., Fromberg**—(Official)—Contract for water system awarded to SECURITY BRIDGE CO., Billings, at $15,980. Noted Sept. 16.

**Mo., Macon**—Contracts for filtration plant and settling basin awarded as follows: MIDDLETON & LUDLOW, Kansas City, $5,990; mechanical equipment for filter plant, PITTSBURGH FILTER MFG. CO., Kansas City, $4,310; steel pipe, FAIRBANKS, MORSE & CO., Kansas City, at $6,018. Noted Aug. 12 and Sept. 2.

**Colo., Craig**—Contract for water system awarded to SCHWARTZ, Colorado Springs. Estimated cost, $40,000.

**Calif., Chino**—Contract for 26-in. well for Chino La... Water Co. awarded to A. J. OLSON.

**Calif., San Francisco**—Board of Works awarded co... to the INGERSOLL-RAND CO. and the RIX COMPRESSE... CO. for air-compressing plant and drills for use at ... Hetchy project. Karl Erhart at $24,984, submitted low... for clearing a portion of site.

**Ont., Hamilton**—Contract for new pump house at ... awarded to JOHN POAG, Westinghouse Ave., Hamilton. ... equipment needed.

**Ont., Stratford**—Public Utilities Commission awarded ... tract for standpipe, segmental type, to CANADIAN CHI... BRIDGE AND IRON WORKS, Sarnia, at $24,800, exclus... of base and two pumps. Noted Sept. 16.

### SEWER

### Proposed Work

**N. H., Manchester**—City will build trunk sewer in South Manchester.

**Mass., Boston**—(Official)—Bids will be received until 1:30 p.m., Oct. 6, by Metropolitan Water and Sewerage Board for Section 1A, Deer Island outfall extension to sewer.

**Mass., Cambridge**—Committee on Sewers of Council adopted ordinance for sewers in Allston and Leonard St.

**Mass., Somerville**—Board of Aldermen plans storm water drain across Somerville field, Powderhouse Blvd. and North St.

**R. I., Providence**—Council plans sewers in Bayard St., River Ave. and Smith St. and in several other streets.

**R. I., Providence**—Board of Aldermen passed resolution appropriating $6,000 for surface water drain at Carrington Ave. and Maple St.

**N. Y., Batavia**—Chester & Fleming, Pittsburgh, Penn., retained by city to prepare plans for rebuilding sewage-disposal plant.

**N. Y., Buffalo**—Common Council authorized tile sewers in Stevens St. and Shenandoah Rd.

**N. J., Bound Brook**—(Official)—Bids will be received until Oct. 5 by Borough Council for laying storm water sewer in East Main St. Stanley Brampton, Clk.

**N. J., Fairview**—Bids will be received until 8 p.m., Oct. 6, by Mayor and Council for sanitary and storm sewers in Lincoln and Prospect St. James F. Lyons, Borough Clk.

**N. J., Garfield**—Board of Chosen Freeholders, Hackensack, appropriated $12,000 for storm drain in Garfield.

**N. J., South Boundbrook**—(Official)—Bids will be received until 8 p.m., Oct. 11, by Borough Council for 3.8 miles of vitrified-pipe sewers. Peter Merlett, Clk. and Clyde Potts, 30 Church St., New York, N. Y., Engr. Noted Aug. 26. (See adv.)

**N. J., Verona**—Bonds for $80,000 for sewers and sewage-disposal plant voted. Noted Sept. 9.

**Penn., Mt. Pleasant**—City Council has authorized sewers in South Hitchman, North Hitchman, North Silver, Oak, Howard and Sycamore St.

**La., Bogalusa**—Citizens plan to hold election in October to vote on $200,000 bonds for sewers, water and light. G. U. Borde, New Orleans, has made a report.

**Ky., Lexington**—P. H. Norcross, Atlanta, Ga., retained to prepare plans for sewage-disposal plant. J. Ernest Cassidy, Mayor.

**Ohio, Coshocton**—Surface drainage sewer system recommended by Mayor to Council.

**Ohio, Salem**—(Official)—Bids will be received until noon, Oct. 2, by I. N. Russell, Dir. of Pub. Ser., for storm water sewer in East Main St.

**Ohio, Zanesville**—Election will be held in November to vote on $52,650 sewer bonds.

**Ind., Buffington**—City contemplates sewer system.

**Ind., Indianapolis**—Board of Public Works plans sewer in East Michigan St. at estimated cost of $31,000 and sewer in Germania Ave. at cost of $16,000.

**Mich., Marquette**—Morgan Wright, City Engr., preparing plans for storm sewers in Third and Fourth St.

**Ill., Averyville**—(Peoria post office)—Citizens plan sanitary sewer system at estimated cost of $55,000.

**Ill., Joliet**—Citizens in district east of Joliet contemplate sewer system for Spring and Hickory Creek districts. Estimated cost, $500,000.

**Wis., Green Bay**—Bids will be received until 10 a.m., Oct. 4, by Committee on Sewers and Plumbing of Common Council for various sewers. L. Findeisen is Member of Com.

**Wis., La Crosse**—Extensions will be made to sewer system at estimated cost of $200,000. George Bradish, City Engr., preparing plans.

**Wis., Milwaukee**—Citizens defeated bond issue for $1,500,000 for sewer construction. Noted Aug. 12.

**Iowa, Algona**—Bids will be received until Oct. 5, by S. W. Crowell, City Clk., for sewers in Grove, Dodge, Diagonal and other streets.

**Iowa, Des Moines**—Bids will soon be received for Closes Creek sewer system. Estimated cost, $197,657.

**Iowa, Esterville**—Bids will be received until noon, Oct. 4, by N. B. Egbert, City Clk., for sewer in North Sixth St.

**Iowa, La Mars**—City Council contemplates storm water sewer in West Sixth St.

**Iowa, Lisbon**—City Council will install sewer system.

**Iowa, Morningside**—(Sioux City post office)—Bids will soon be received for sewer system for North Morningside. Estimated cost, $12,000.

**Iowa, Oakland**—J. H. Mayne, Engr., prepared plans for sewer system.

**Iowa, Sioux City**—City will build North Morningside sewer system. Estimated cost, $12,000.

**Iowa, West Union**—Citizens will build sewer system in 1916.

**Minn., Anoka**—(Official)—City retained L. P. Wolff, Consult. Engr., St. Paul, to prepare plans for sewer system and sewage-disposal plant.

**Minn., Glenwood**—Bids will be received until Oct. 5, by City Commission for sewers. N. P. Norling, City Clk.

**Minn., St. Paul**—City Council plans sewers in various streets. Estimated cost, $136,000.

**Minn., Waseco**—Plans being prepared by City Engineer for sewer in Ninth St.

**Neb., Pender**—Surveys being made for sewer system.

**S. D., Aberdeen**—City Commissioners authorized the preparation of plans for sewers in Second St.

**N. D., Fargo**—(Official)—Bids will be received until 10 a.m., Oct. 6, by A. R. Watkins, City Audr., for 12-in. lateral sewer in South Terrace.

**N. D., Minot**—Bids will be received until 8 p.m., Oct. 4, by Board of City Commissioners for sewers in various streets. A. D. Hagenstein, City Audr. Noted Sept. 16.

**Mont., Columbus**—Plans prepared for sewer system. Estimated cost, $10,000. Noted Aug. 26.

**Mo., Alton**—Plans will be prepared for sewer to inclose Piasa Creek. J. Beall, Mayor.

**Mo., St. Joseph**—Citizens contemplate spending $550,000 for improvements to sewer system.

**Ark., Derott**—(Official)—Bids will be received until 4 p.m., Oct. 8, by Sewer Improvement District No. 2 for sewage-disposal plant. A. C. Blanks, Secy. of Comrs.

**Tex., Arlington**—Citizens voted $10,000 bonds for extension of sewer system.

**Tex., Austin**—Improvements will be made to sewer system by city forces. Noted Sept. 16.

**Tex., Beaumont**—Bids will be received until Oct. 19, by J. G. Sutton, City Secy., for 30,690 ft. of sanitary sewers. C. L. Scherer, City Engr.

**Tex., Corsicana**—Election will be held Oct. 10 to vote on $20,000 sewer bonds.

**Tex., Gatesville**—Citizens plan sewer system. Estimated cost, $25,000. T. R. Mears, Mayor.

**Tex., Henderson**—J. M. Wood, Oberlin, Ohio, granted franchise to construct and operate sewer system.

**Tex., Waco**—Election will be held Oct. 19 to vote $75,000 bonds for sewers and sewage-disposal plant. Noted Aug. 12.

**Okla., Cushing**—(Official)—Bonds for $30,000 for intercepting sewers voted. Benham Engineering Co., Oklahoma City, Engr. Noted Sept. 9.

**Okla., Marlow**—(Official)—Citizens defeated $15,000 bond issue for sanitary sewer system. Noted Sept. 9.

**Colo, Boulder**—Citizens plan sewer system and street paving at estimated cost of $16,000. George Joslyn, City Engr., and Leonard Metcalf, Boston, Mass., Sewer Engr.

**N. M., Deming**—(Official)—We have been advised that improvements will not be made to sewer system till 1916. A. A. Tenike, Clk. Noted Aug. 5.

**Idaho, Idaho Falls**—City contemplates sewers in three districts. Estimated cost, $23,000. W. P. Dawes, City Clk.

**Idaho, Mountain Home**—(Official)—Bids will be received until Oct. 7 by Sewer Committee for sewer system and sewage-disposal plant. F. E. Austin, Chn. of Com. Noted Sept. 9.

**Ariz., Mesa**—(Official)—Bids will be received until Oct. 5 by Town Clerk for sewer system including 16 miles of sewers. Estimated cost, $70,000. H. S. Hancock, Phoenix, City Engr. Noted June 24.

**Ariz., Tucson**—Surveys being made for outfall sewer system. Estimated cost, $50,000.

**Wash., Roslyn**—Bids will be received until Oct. 11 by George T. Wake, City Clk., for sewer improvements in Local Improvement Districts 1, 2, 3 and 4. Noted Sept. 2.

**Wash., Seattle**—Board of Public Works plans outfall sewer in Seaview Ave. A. H. Dimock, City Engr., submitted plans. Estimated cost, $452,566.

**Ore., Portland**—Plans prepared for sewers in various streets. A. L. Barbour, City Clk.

**Calif., Visalia**—Bids will be received until Oct. 6 by City Trustees for sewer work. Estimated cost, $65,000.

**Alta., Edmonton**—Election will be held to vote on $250,000 bonds for sewage-disposal plant.

**Ont., Galt**—Town Council will lay storm and sanitary sewers at estimated cost of $4,000. C. D. Campbell, Engr., and Joseph McCartney, Clk.

**Ont., Guelph**—Sewers will be laid in Beverly, Harris, Prospect and Johnson St. Estimated cost, $5,188. F. McArthur, Engr.

### Bids In and Contracts Awarded

**Mass., Boston**—(Official)—Contracts awarded to ANTHONY BARNFFALDI, 9 Parker Pl., at $9,071, for sewer in Telford St., and to J. L. PIERCE & CO., at $473, for sewer in Lanark Rd. Noted Sept. 9.

**N. Y., Rochester**—Contract awarded to MICHAEL RIPTON, at $11,899, for sewer tunnel in Graves St.

**N. Y., Schenectady**—Contract awarded to THOMAS F. MacGREGOR, at $24,342, for sewers. Noted Sept. 23.

**N. Y., Westerlo**—Contract awarded to FOUNDATION CO., at $172,772, for sewage pumping station at Westerlo Island.

**N. Y., Yorktown Heights**—All bids received Aug. 31 for sewage-disposal plant rejected by Board of Managers of New York State Training School for Boys. Noted Aug. 19.

**N. J., Bogota**—(Hackensack post office)—Contract awarded to AVERILL & MATHEWS, Newark, at $6,349, for sewer extension in River Rd.

**N. J., Edgewater**—Bids were received for sewer outlet No. 10 as follows: E. C. Humphry, Hackensack, $73,855; John J. McGarry, $52,759, and Edward English, $44,571.

**N. J., Montclair**—Contract awarded to CESTONE CONSTRUCTION CO., at about $15,000, for storm water drain in Valley Rd.

**N. J., Newark**—All bids received for Meadow Brook Outlet sewer rejected. Noted Sept. 2.

**W. Va., Huntington**—Contract awarded to AMOS TRAINOR, at $6,500, for sewer system in First and Second Wards. Noted Sept. 2.

**Ohio, Cleveland**—(Official)—Contract awarded to W. P. GIBBONS CONTRACTING CO., 3135 Scranton Rd., at $13,456, for sewers. Noted Sept. 9.

**Ohio, Medina**—Glenn W. Hadley, Canton, at $5,612, low bidder for laying 8,811 ft. of sewer pipe and manholes. George L. McNeal, Village Clk.

**Ohio, Portsmouth**—Contract awarded to JOHN A. GRIMES, at $4,421, for Sunnyside sewer system.

**Ind., Indianapolis**—Contract awarded to COLUMBIA CONSTRUCTION CO., at $22,826, by Board of Public Works for intercepting sewer. Noted Aug. 26.

**Mich., Grand Rapids**—(Official)—Contract awarded to A. H. PRANGE, Grand Rapids, at $10,000, for sewage-disposal plant for East Grand Rapids. Noted Sept. 9.

**Mich., Reed City**—Contract awarded to ISAAC H. WELLS, Kalamazoo, at $16,884, for storm sewers. Noted Sept. 9.

**Wis., Elroy**—(Official)—Contract awarded to GORDON & HINES, Elroy, for sewers in West and Cedar St. Noted Sept. 23.

**Wis., Milwaukee**—(Official)—Contract awarded to A. J HEWITT, 810 Majestic Bldg., Milwaukee, at $37,697, for tunnel sewer in Lake St. Noted Sept. 2.

**Wis., South Kaukauna**—Contract awarded to GEORGE MULHOLLAND, Kaukauna, at $4,587, for sewers in various streets.

**Wis., Superior**—(Official)—Contract awarded to PATORET CONSTRUCTION CO., Superior, at $6,159, for sewer work. Noted Sept. 9.

**Minn., Brainerd**—(Official)—Contract awarded to ILSTRUP & OLSON, Minneapolis, at $1 per ft. for sewers in Lot B, District 4 and $0.93 per ft. for Lot B, Districts 4 and 7. Noted Sept. 2.

**Minn., St. Paul**—(Official)—Contract awarded to SIEMS-CAREY CO., at $95,000, for Fredericka-Fairmount sewer system.

**S. D., Centerville**—(Official)—Contract awarded to SCHRUTH & JACKSON, Fargo, N. D., at $24,066, for sewers. Noted Sept. 2.

**Wash., Seattle**—McDonald & Jones, Seattle, at $15,548, low bidder for overflow sewers in First Ave., N. W.

**Calif., Pasadena**—Contract awarded to J. E. HADDOCK, 357 North Chester Ave., at $25,900, for storm water conduit in Seco St.

**Ont., Berlin**—(Official)—Contract awarded to GEORGE B. MOOGK, Weston, for sewer work. Noted Sept. 16.

**Ont., London**—Contract awarded to JOHN McMURPHY, Hyman Hall, Queen's Pond Park Ave., London, for sewers in Quebec, Reyburn and Salisbury St.

**Ont., Toronto**—Contract awarded to MOYES CONSTRUCTION CO., at $18,000 for sewer in Dundas St. Sewer in St. Clair Rd. will be built by city forces. Noted Aug. 26.

## GARBAGE

### Proposed Work

**N. Y., Buffalo**—Revised plans being prepared by Howard L. Beck, City Arch., for three-story addition to city garbage disposal plant, Hamburg St. and Lake Shore R.R. Estimated cost, $150,000.

**Mich., Ishpeming**—Installation of garbage incinerator contemplated. Estimated cost, $6,000.

**Mo., St. Joseph**—Election will probably be held to vote $15,000 bonds for garbage incinerator.

### Bids In and Contracts Awarded

**Mass., Revere**—Contract awarded to W. A. and H. A. ROOT, INC., 1 Beacon St., Boston, at $20,000 for incinerator and boiler house.

**N. J., Newark**—Board of Works will soon award contract for collection and disposal of garbage.

**Ill., Rock Island**—(Official)—We have been advised that contract for garbage incinerator has not been awarded as stated in our issue of Sept. 16. Meeting will be held in October to consider award. Noted Sept. 16.

## STREETS AND ROADS

### Proposed Work

**N. Y., Buffalo**—Bids will soon be received for paving Exeter Ave. and Galveston Pl. and for repaving Jersey St.

**N. Y., Buffalo**—Bids will be received until 11 a.m., Oct. 2, by Department of Public Works, 5 Municipal Bldg., for paving northerly and southerly courts to Porter Ave. Pumping Station.

**N. Y., Forestburgh**—Taxpayers voted bonds for $6,000 for road from Forestburgh to line of town of Thompson.

**N. Y., New York**—(Borough of Brooklyn)—(Official)—Bids will be received by L. H. Pounds, Borough Pres., Room 2, Borough Hall, until 11 a.m., Oct. 6, for regulating, grading, paving, curbing and laying sidewalks on various streets.

**N. Y., New York**—(Borough of Manhattan)—Bids will soon be received for repaving a number of streets of the borough.

**N. Y., New York**—(Borough of Manhattan)—(Official)—Bids will be received by the Park Board, Dept. of Parks, Municipal Bldg., until 3 p.m., Oct. 7, for improving the walks of Central and other parks in the borough.

**N. Y., New York**—(Borough of Queens)—Bids will be received by Maurice E. Connolly, Borough Pres., until 11 a.m., Oct. 5, for improving Jerome Ave. from Boyd Ave. to Greenwood Ave., Fourth Ward, and South Ave. from New York Ave. to Rockaway Turnpike, Fourth Ward; also for furnishing and delivering 200,000 gal. of light road oil or refined tar oil.

**N. Y., New Berlin**—(Official)—Bids will be received until Oct. 2 by Village Board for 1,800 lin.ft. concrete paving. (See Adv.)

**N. J., Cape May C. H.**—Board of Chosen Freeholders of Cape May County will build boulevard from mainland into town of Wildwood.

**N. J., Freehold**—Bids will be received until 11 a.m., Oct. 6, by Board of Chosen Freeholders of Monmouth County for Tennent Gordon's Corner Rd. J. M. Corlies, Dir.

**N. J., Hoboken**—Bids will be received until 10 a.m., Oct. 13, by the City Commissioners, for improving portions of First, Third and Harrison St.

**N. J., Newark**—(Official)—Bids will be received by the Board of Street and Water Commissioners until 3:30 p.m., Oct. 7, for paving Chelsea Ave. from South Orange Ave. to the city line and Cypress St. from Fabyan Pl. westerly about 249 ft.

**N. J., Newark**—Bids will be received until Oct. 7 by Board of Chosen Freeholders of Essex County for resurfacing Sussex Ave. with asphalt. Noted Aug. 19.

**N. J., New Brunswick**—Bids will be received until 2:30 p.m., Oct. 11, by Board of Freeholders of Middlesex County for Sections 2 and 3 of South Amboy-Keyport Rd. from tracks of New York & Long Branch R.R. at Morgan station to Monmouth County line at Whale Creek. A. J. Gebhardt, Dir. Noted Aug. 12 and Sept. 9.

**N. J., Stone Harbor**—Bonds for $33,000 sold for boardwalk at Stone Harbor.

**N. J., West Hoboken**—(Weehawken post office)—Bids will be received by the Town Council, Town Hall, Clinton Ave. and Charles St., until 8 p.m., Oct. 6, for improving Paterson Ave.

**Md., Easton**—Bids will be received by Commissioners of Talbot County until noon, Oct. 5, for one section of Static Aid highway along Harrison St., extending between the town limits of Easton and Talbot County fair grounds.

**Md., Princess Anne**—(Official)—All bids received Sept. 7 for 2.01 miles of State Aid Highway in Somerset County were rejected. Noted Aug. 12.

**Va., Petersburg**—City contemplates road between Petersburg, Hopewell and City Point. Estimated cost, $100,000. Robert Cabinass, Mayor.

**Ga., Savannah**—Citizens voted $75,000 bonds for road from Savannah to Tybee, Chatham County. Noted Aug. 26.

**Fla., DeLand**—Election will be held Oct. 9 in Volusia County Road District to issue $110,000 bonds for roads and bridges.

**Fla., Dunedin**—Citizens voted $8,600 bonds for street paving.

**Fla., Starke**—City will vote Oct. 6 on $16,000 bonds for street paving. C. F. Hoover, Mayor.

**Ala., Dothan**—Board of Revenue of Houston County will spend $75,000 for completion of present trunk-lines and additional roads in county.

**Tenn., Murfreesboro**—Election will be held in November in Rutherford County to issue $175,000 bonds to purchase and maintain turnpikes.

**Tenn., Winchester**—Franklin County voted $350,000 bonds for road construction.

**Ky., Frenchburg**—Menifee County Commisisoners contemplate five miles of road from Frenchburg to Rothwell. Estimated cost, $6,000.

**Ky., Louisville**—Bids will be received by the Board of Public Works until Oct. 4 for paving with asphalt Chestnut St. from 24th to 26th St. Estimated cost, $4,000.

**Ky., Stanford**—Citizens of Lincoln County defeated $130,000 bond issue for roads.

**Ohio, Cincinnati**—(Official)—Bids will be received by the Board of County Commissioners until noon, Oct. 8, for improving Wayne Ave. from Stewart Ave. to Martin Rd., Springfield Township.

**Ohio, Columbus**—(Official)—Bids will be received until 2 p.m., Oct. 8, by Clinton Cowen, State Highway Comr., for macadamizing 1.24 miles of Cleveland-Wooster Rd. Estimated cost, $8,409.

**Ohio, East Liverpool**—(Official)—Bids will be received by the Board of Trustees of Liverpool Township, City Bldg., Market and Third St., until noon, Oct. 5, for improving a number of public roads.

**Ohio, Northfield**—(Official)—Only one bid was received for improving Brandywine Rd., which was rejected. Noted Sept. 2.

**Ind., Columbia City**—Bids will be received until 2:30 p.m., Nov. 5, by the Commissioners of Whitley County, for three highways in Smith Township.

**Ind., Columbia City**—Bids will be received until 1 p.m., Nov. 5, by the Commissioners of Noble County, for a road on Whitley-Nobel County line.

**Ind., Huntington**—Bids will be received by the Board of Public Works until 7:30 p.m., Oct. 4, for sidewalks on Ogan St. H. I. Young, City Clk.

**Ind., Logansport**—(Official)—Bids will be received until Oct. 19 by Board of Works for 43,540 sq.yd. brick, asphalt, mated cost, $103,000. H. H. Thompson, City Engr. Noted mated cost, $103,000. H. H. Thompson, City Engr. Noted Sept. 16.

**Ind., Madison**—City will pave Main St. from Broadway to Walnut St. with vitrified brick.

**Ind., Noblesville**—Bids will be received until 10 a.m. Oct. 9, by W. O. Horton, Audr. of Hamilton County, for concrete road in Noblesville Township.

**Ind., Shoals**—(Official)—Bids will be received until 10 a.m., Oct. 11, by L. D. Haga, Audr. of Martin County, for road in Halbert Township.

**Mich, Fremont**—Citizens of Sheridan Township voted $55,000 bonds for stone and gravel road.

**Wis., Green Bay**—Bids will be received until 10 a.m., Oct. 4, by Committee on Streets and Bridges for grading and placing gravel or crushed stone on portions of West Mason St. F. Biemeret, Chn. Com.

**Wis., Racine**—Bids will be received until Oct. 9 by the Board of Public Works for paving Hamilton Ave. and Mead St.

**Minn., Anoka**—Bids will be received until 2 p.m., Oct. 7, by Arthur A. Caswell, Audr. of Anoka County, for improving State Rd. Nos. 4, 7 and 9.

**Minn., Fergus Falls**—Bids will be received until 5 p.m., Oct. 6, by City Council, for grading Laurel St. between Broadway and Buse St.

**Minn., Minneapolis**—Board of Park Commissioners plan to complete boulevard along north side of Pogues Run between Spades and Brookside Parks and new boulevard along south bank of stream.

**Minn., St. Paul**—(Official)—Bids will be received until 10 a.m., Oct. 4, by City Clerk, for repaving Robert St. from north side of Sixth St. to south side of Eighth St.

**S. D., Grannvalley**—(Official)—Bids will be received by the Board of County Commissioners of Buffalo County, until noon, Oct. 5, for grading road on section line between sections 26 and 27-06-68.

**N. D., Bellefourche**—Bids will be received until Oct. 5 by N. P. Lang, Audr. of Butte County, for Arndt Rd.

**N. D., Minot**—(Official)—Bids will be received until 8 p.m., Oct. 4, by Board of City Commissioners for about three miles of street improvements. Estimated cost, $32,980. E. J. Thomas, City Engr. (See adv.)

**Mont., Hardin**—Bids will be received by E. P. Ross, Clk., County Comrs., until Oct. 4, for 4½ miles of road between Big Horn River Bridge and Dry Creek.

**Mo., Kansas City**—Bids will soon be be received for approximately nine miles of brick paving on Broadway.

**Mo., Maryville**—Citizens of Nodaway County voted $35,000 bonds for road improvements. F. J. Yeomans, County Clk. Noted Aug. 19.

**Mo., Wellington**—Election will be held Oct. 8 to vote $55,000 bonds for macadamizing 10 miles of road and for two bridges.

**Tex., Beaumont**—Bids will be received until Oct. 19 by J. G. Sutton, City Clk., for approximately 90,000 sq.yd. of paving. Estimated cost, $85,000.

**Tex., Denison**—Contract will soon be awarded for 14,680 sq.yd. of paving.

**Tex., Lufkin**—(Official)—Voters of Angelina County defeated $200,000 bond issue for road improvements. Reported another election will be called. Noted Sept. 16.

**Tex., Terrell**—Attorney General's Department has approved an issue of $150,000 bonds for roads in Justice Precinct No. 8, Kaufman County.

**Okla., Pawnee**—Bids will be received by H. A. Rexford, City Clk., until 7:30 p.m., Oct. 4, for paving approximately 20,000 sq.yd. in business district.

**Colo., Lamar**—Bids will be received by L. M. Markham, Clk., Comrs. of Powers County, until noon, Oct. 11, for grading and improving Santa Fé Rd.

**Idaho, Burley**—Citizens voted $75,000 bonds for roads.

**Idaho, Cottonwood**—(Official)—Bond election will be held in October for paving main streets. E. L. Parker, Chn., Bd. City Trustees. Noted Sept. 9.

**Ariz., Tucson**—Election will be held Oct. 26 to issue $400,000 bonds for roads.

**Wash., Pasco**—(Official)—Bids will be received until Nov. 1 by County Commissioners for macadamizing trunk highways. Estimated cost, $35,000. J. W. Hamilton, County Engr. Noted Sept. 9.

**Ore., Portland**—Bids will soon be received for paving East 10th St. from Going St. to Alberta St. Estimated cost, $6,000.

**Ore., The Dalles**—Citizens of Wasco County contemplate $262,500 bond issue for road improvements.

**Calif., Arcadia**—Bids will be received by the Board Trustees until 8 p.m., Oct. 7, for approximately 16 miles of oiled macadam roadway and 10,000 ft. of concrete curb and gutter.

**Calif., Bakersfield**—Bids will be received until Oct. 7 by Board of Supervisors of Kern County for five miles of concrete pavement of Division 10, Section 15, known as Patch Loop.

**Calif., Los Angeles**—City Council plans to pave Western Ave. from Temple St. to Fountain Ave.

**Calif., Santa Clara**—City Engineer estimates cost of paving seven streets at $85,000.

**Que., Verdun**—Town Council will macadamize Woodland Ave. from La Salle Rd. to Bannantyne Ave.

**Ont., Brockville**—Council will lay tarvia pavement to cost $14,000.

**Ont., Chatham**—Town Council contemplates concrete pavement on Louise and Prince St. and granolithic pavement on Violet and Inches St.

**Ont., Kingston**—Town Council contemplates macadam roads and concrete sidewalks on a number of streets. W. W. Sands, Clk.

**Ont., Stamford**—Township Council plans water-bound macadam roadway. Estimated cost, $28,000.

### Bids In and Contracts Awarded

**Mass., Boston**—(Official)—State Highway Commission awarded contract for 12,400 lin.ft. road in Granby and South Hadley to LANE CONSTRUCTION CORPORATION, Meriden, Conn., at $16,295. Noted Sept. 16.

**Mass., Boston**—State Highway Commission awarded contract for 7,400 lin.ft. asphalt macadam in Braintree to E. J. ROURKE, Arlington, at $12,390.

**Mass., Boston**—JOHN KELLY CO., 5 Ulmer St., Roxbury, awarded contract for paving Rosewood St., at $13,052.

**Conn., Hartford**—(Official)—Contracts for state road improvements awarded as follows: New Haven-Hartford Turnpike, New Haven and North Haven Townships to UNION PAVING CO., Schenectady, N. Y., at $22,891; Huckleberry Hill Rd., Brookfield Township to LOUIS LONGHT & BRO., Torrington, at $11,191; Orange Township to ROBERT D. DALEY CONTRACTING CO., New Haven, at $28,448; Robertsville Rd., Colebrook Township, to FRANK A. WILCOX, Norwich, at $7,852. Noted Sept. 16.

**Conn., Norwalk**—Contract for paving Washington St. Bridge awarded to EMPIRE CONSTRUCTION CO., New York, N. Y., at $13,439.

**N. Y., New York**—(Borough of Brooklyn)—(Official)—Contracts for improving various streets awarded as follows: Glenmore Ave., Grafton St. and Hopkinson Ave., to BROOKLYN ALCARTZ PAVING CO., 407 Hamilton Ave., at $16,462, $5,475 and $3,941 respectively; Ashland Pl. to FRANKLIN CONTRACTING CO., 52 Vanderbilt Ave., at $17,428; 74th St., to TOPEKA PAVING CO., West 14th St., at $4,613; paving 64th St. to TOPEKA PAVING CO., West 14th St., at $3,873. Noted Sept. 9 and 23.

**N. Y., New York**—(Borough of Manhattan)—Contracts for paving awarded as follows: Haven Ave., ASPHALT CONSTRUCTION CO., 208 Broadway, New York, at $4,673; 62nd St., AZTEC ASPHALT CO., 90 West St., New York, at $15,846; 66th St., SICILIAN ASPHALT CO., 41 Park Row, New York, at $7,171. Noted Sept. 9 and 23.

**N. Y., New Rochelle**—Public Works Commissioner awarded contract for brick pavement on Webster Ave. to GALBANO CO., at $6,296.

**N. Y., Rochester**—Board of Contract and Supply awarded contracts for asphalt paving to ROCHESTER VULCANITE CO., on Frank St., at $25,000, and WHITMORE, RAUBER & VICINUS, on Grover St., at $4,101.

**N. J., Bloomfield**—Contract for repaving Broad St. from Bloomfield Center to Bay Ave. awarded to STANDARD BITULITHIC PAVING CO., at $37,517.

**N. J., Montclair**—Contract for repaving Valley Rd., Montclair, from Bloomfield Ave. to Passaic County line awarded to STANDARD BITULITHIC PAVING CO., at $86,450. Noted Aug. 26.

**N. J., Montvale**—(Official)—Contract for improving Magnolia and Grand Ave. will not be awarded this year.

**N. J., New Brunswick**—Board of Chosen Freeholders awarded contract for macadamizing Rahway Ave. from Roosevelt to Blazing Star Rd., to THOMAS F. DUNNIGAN, Woodbridge, at $26,767. Noted Aug. 19.

**Fla., Palm Beach**—Contract for paving Clematis Ave. awarded to F. G. PROUDFOOT, at $13,523.

**Fla., Tarpon Springs**—Contract for 10,000 sq.ft. of concrete sidewalks awarded to HERMAN DANN, St. Petersburg.

**Ala., Linden**—Commissioners of Marengo County awarded contract for sand-clay and gravel roads to HARVEY & CO., Memphis, Tenn., at $60,000. Noted Sept. 2.

**Ky., Carlisle**—Contract for Carlisle and Parks Ferry Rd. in Nicholas County awarded to JAMES & JONES, Louisville, at $15,000.

**Ky., Carlisle**—Contract for Carlisle and East Union Rd. awarded to PHELPS, POST, GUYN & CO., Lexington, at $20,000.

**Ky., Louisville**—Contract for paving 32nd St. from Grand to Virginia Ave. awarded to L. W. HANCOCK CO., Louisville, at $8,250.

**Ky., Louisville**—HENRY BICKEL CO., Louisville, at $10,500, awarded contract for paving Dupuy St. from Kentucky to Caldwell St.

**Ky., Louisville**—Contract for paving Brook St. from Breckenridge to Caldwell St. and Chestnut St. from Fourth to Fifth St. awarded to LOUISVILLE ASPHALT CO.

**Ky., Russellville**—Contract for 2.7 miles of macadam pike awarded to BYARS OPERATING & CONSTRUCTION CO., Russellville, at $10,410.

**Ky., Russellville**—Contract for macadam pike in Logan County awarded to RHEA PRICE, Auburn, at $7,496.

**Ohio, Conneaut**—Contract for improving State St. from Broad St. easterly to west end awarded to JOHN McCORMICK & SON, Erie, Penn., at $29,843.

**Ohio, Toledo**—(Official)—Contract for improving Stone Road Improvement No. 72 awarded to M. P. HAMMIN, Valentine Bldg., Toledo. Noted Sept. 16.

**Ohio, Toledo**—Contract for paving Detroit Ave. from Miami and Erie Canal to River Rd. awarded to M. P. HANNAN, at $7,350.

**Ohio, Toledo**—Board of Control awarded paving contracts as follows: Stickney and Huron St., to H. P. STREICHER & CO., $118,638; Streicher St. to GESSNER & COTHRELL, $27,558; Salem and Princeton St. to PETERS BROS. & CO., $12,829.

**Ind., Anderson**—(Official)—Commissioners of Madison County awarded contract for concrete road in Anderson Township to GEORGE HOPPS, Anderson, at $6,973. Noted Sept. 9.

**Ind., Franklin**—Board of County Commissioners awarded contract for gravel roads in Union and Pleasant Townships to EDWARD BARRETT, Bargersville, at $11,500.

**Ill., Geneva**—Contract for Section G, Route 12, of State Aid roads in Kane County awarded to GROHNE CONTRACTING CO., Joliet, at $11,988.

**Ill., Kankakee**—Contract for two miles of road in Yellowhead Township awarded to CLYDE DYER, at $10,790.

**Ill., Paris**—(Official)—Contract for gravel road on Baldwinsville state line road and gravel road on Heelan Rd. awarded to JOHN HEELAN, Paris, at $4,500. Noted Sept. 23.

**Ill., St. Charles**—(Official)—Bids for street improvements received Sept. 1 as follows: Wisconsin Improvement Co., Racine, Wis., $55,391 (probably awarded contract); Arwen Price, Elgin, $56,698; Logan & Giertz, Elgin, $56,988. John W. Wilson, City Engr. Noted Aug. 19.

**Ill., Springfield**—Contract for grading on Section F, Route 1, awarded to CAMERON, JOYCE & CO., Keokuk, at $6,195.

**Wis., Fennimore**—Contract for concrete pavement on Wisconsin Ave. awarded to BARTLETT CONCRETE CO., Watertown, at $11,500.

**Wis., Neenah**—Contract for concrete base, curb and gutter on Walnut St. awarded to PETER OSKAR, Neenah. Creosote block surface will be laid by city forces. Noted Aug. 5.

**Iowa, Mt. Ayr**—Contract for paving Taylor St. awarded to JOHNSON REAL ESTATE & CONSTRUCTION CO., at $22,556.

**Minn., Floodwood**—Board of Fine Lakes Township awarded contract for Nordess Rd. to OSCAR WILSON.

**Minn., St. Paul**—(Official)—Contract for paving Warsaw St. from Pleasant Ave. to Seventh St. awarded to FIELDING & SHEPLEY, St. Paul, at $17,900.

**Minn., Willmar**—Contract for grading streets in First Ward awarded to C. PAULSON.

**Kan., Chanute**—Contracts for paving North Washington Ave. and Fourth St. awarded to PERRY TAYLOR, at $14,709 and $5,129 respectively.

**Kan., Garnet**—Contract for paving eight or 10 blocks with brick awarded to A. L. COOK, Ottawa. Estimated cost, $50,000.

**S. D., Sioux Falls**—Contract for grading Willow Ave. from 10th to 12th St. awarded to E. G. LEDYARD.

**Mont., Roundup**—Contract for concrete sidewalks in Districts 9 and 10 awarded to JOHN TRIPP, at $13,821.

**Mo., St. Louis**—(Official)—Contract for approximately 60,000 cu.yd. of grading awarded to FRUIN-COLNON CONTRACTING CO., Merchant Laclede Bldg., St. Louis, at 16.6c. per cu.yd. Noted Sept. 16.

**Mo., Weston**—Contract for 4,000 yd. macadam paving and 100 cu.yd. grading awarded to MALEY & KELLEY, Massachusetts Bldg., Kansas City, Mo.

**Tex., Paris**—Contract for paving Grand Ave. from Bonham to Kaufman St. awarded to TEXAS BITULITHIC CO., Dallas. Estimated cost, $50,000. Noted Sept. 23.

**Tex., San Antonio**—Contracts for paving awarded as follows: North Flores St., Dolorosia St. and Military Plaza to ROACH-MANIGAN PAVING CO., Memphis, Tenn., at $32,350; North Presa St., West Commerce St. and Main Plaza to RUSHMORE & GOWDY, San Antonio, at $28,908; Nacogdoches and Nolan St. to TEXAS GRANITOID CO., San Antonio, at $13,620.

**Tex., Temple**—Contract for paving awarded to LAVY & LEVY, Dallas, at $50,000. Noted Aug. 12.

**Idaho, Sandpoint**—Council has awarded contract for international cement paving in District No. 4 to SPOKANE BITU-MASS PAVING CO., Spokane, Wash., at $1.32 per sq.yd.

**Utah, Provo**—Contract for paving awarded to RYBERG BROS., at $30,620.

**Wash., Bremerton**—Contract for improving Fourth St. awarded to E. H. L. MORRIS, Seattle, at $8,558.

**Wash., Everett**—Contract for 30-ft. pavement on Rucker Ave. awarded to BANCROFT & MORGAN, Everett, at $30,717. Noted July 29.

**Wash., La Conner**—Town Council awarded contract for concrete paving to N. W. BALL, Sedro Woolley, Wash., at $13,987. Noted Aug. 19.

**Ore., Portland**—Contract for paving a portion of East Seventh St. awarded to GIEBISCH & JOPLIN, at $5,841.

**Calif., Arbuckle**—Contract for improving Fifth St. awarded to CLARK & HENERY CONSTRUCTION CO., at $5,574.

**Calif., Los Angeles**—Contract for improving Third St. from Vermont to Western Ave. awarded to TRYON & BRAIN, at $72,175.

**Calif., Portersville**—FEDERAL CONSTRUCTION CO., San Francisco, at $50,000, awarded contract for paving Morton St., Belleview, El. Grainto and Grand Ave.

**Calif., Salinas**—Board of Supervisors of Monterey County awarded for road work to D. C. HOWARD, Redwood City, at $16,155.

**Calif., Santa Ana**—OSCAR FORD, Riverside, at $14,769, awarded contract for paving a portion of Riverside Rd.

**Calif., Stockton**—(Official)—Contract for paving North Center, Maple and Ash St. awarded to W. H. PAUL, Oakland, at $21,969. Noted Sept. 16.

**Calif., Visalia**—Board of Supervisors of Tulare County awarded contract for Three Rivers Rd. to J. E. HINES, Tulare, at $13,800.

## INDUSTRIAL WORKS

### Proposed Work

**Maine, Biddeford**—J. R. Worcester & Co., 79 Milk St., Boston, Mass., prepared plans for three-story, 90x150-ft., tannery for Gobrecht Leather Co., 202 Lincoln St., Boston, Mass.

**Maine, Portland**—National Biscuit Co. will build plant at Kennebec and Cedar St.

**N. H., Keene**—Wilkins Toy Co. has plans by Herbert A. Foster for one- and two-story, 90x200-ft., brick plant. Estimated cost, $30,000.

**Mass., Amherst**—Holyoke St. Ry. Co. will build 100x130-ft. brick car barn and substation. G. E. Pelliser, 317 Springfield St., Engr.

**Mass., Boston**—Colonial Steel Co., Pittsburgh, Penn., will build steel plant at D and Fargo St., South Boston.

**Mass., Boston**—Bids will soon be received for eight-story, 70x110-ft., brick warehouse for P. C. Larkin Co., Buffalo, N. Y. Densmore & Le Clear, 88 Broad St., Engr. Noted July 29.

**Mass., Springfield**—W. J. Foss Co. will build brick warehouse at Broadway and Wight Ave. Estimated cost, $20,000.

**N. Y., Buffalo**—J. Prentiss & Co., 132 Michigan Ave., plans to rebuild warehouse, according to press reports. Estimated cost, $20,000.

**N. Y., Buffalo**—Bids will soon be received by Edwin C. Haas, 558 East North St., for 50x100-ft. foundry and 36x85-ft. machine shop at Grant St. and New York Central R.R. for Unique Brass Foundry Co., 25 Illinois St.

**N. Y., Endicott**—George F. Johnson & Co. will build shoe factory.

**N. Y., Johnson**—Endicott, Johnson & Co. plans to build another addition to its shoe factory on Lester Ave.

**N. Y., Kingston**—Plans being prepared by H. O. Chute, 197 Pearl St., New York, for one-story, 100x150-ft., reinforced-concrete picric-acid plant for Nitro Powder Co. E. Metzger, 50 Broad St., New York, Pres.

**N. Y., New York**—(Borough of the Bronx)—Tremont Fireproof Storage and Refrigerating Co. plans to combine buildings of Liberty Brewing Co., at 170th St. and Third Ave. and establish warehouse, cold storage plant and ice plant. John H. Ronner is interested.

**N. Y., New York**—(Borough of Brooklyn)—Chelsea Fiber Mills Co. has plans for four-story brick mill at 1155 Manhattan Ave. and Commercial St. Estimated cost, $30,000.

**N. Y., New York**—(Borough of Brooklyn)—Plans being prepared by L. Allmendinger, 926 Broadway, for 2½-story, 40x100-ft., brick bottling plant on Myrtle Ave. near Sumner Ave. for Ferdinand Munch Brewing Co. Estimated cost, $20,000.

**N. Y., New York**—(Borough of Brooklyn)—Sheffield Farms-Slawson-Decker Co. will build six-story, 100x252-ft., dairy at 1368 Fulton St. Estimated cost, $300,000.

**N. Y., New York**—(Borough of Manhattan)—(Official)—New York City Composite Brick Corporation will build two-story, 100x138-ft., plant at 201 East 129th St. Hopkins & McEntee, 37 East 28th St., Arch.

**N. Y., New York**—(Borough of Manhattan)—William J. Gilphey, Arch., 1 Union Sq. W., Manhattan, prepared plans for four-story, 100x10-ft., factory for Consumers Biscuit Mfg. Co.

**N. Y., New York**—(Borough of Queens)—Warren & Wetmore, 16 East 47th St., Manhattan, will prepare plans for four-story, 175x175-ft. warehouse and factory at Borden Ave., Van Alst Ave. and Third St., Long Island City, for American Druggists' Syndicate. H. Loewe, 205 Borden Ave., in charge. Estimated cost, $125,000.

**N. Y., New York**—(Borough of Queens)—Meuer Bros., 575 Flushing Ave., Brooklyn, will build plant at Haywood Ave. and Third St., Long Island City, for manufacture of steel barrels. Estimated cost, $10,000.

**N. Y., New York**—(Borough of Richmond)—Valentine & Kissam, 25 Madison Ave., New York, preparing plans for five-story factory near Clifton, Borough of Richmond, for Louis De Jenge & Co., 446 Richmond Turnpike, Tompkinsville.

**N. Y., New Rochelle**—Star Knitting Works, Grand Rapids, Mich., plans mills in New Rochelle.

**N. Y., Norwich**—Plans being prepared by Roy Bard, Arch., for two-story, 75x200-ft. factory for Norwich Wire Basket Co. Estimated cost, $10,000.

**N. Y., Rochester**—Plans prepared by Russell & King, Syracuse, for two-story, 50x90-ft., warehouse for Gibson Drug Co. Estimated cost, $15,000.

**N. J., Camden**—Bids will soon be received for three-story brick and concrete factory for Taylor-White Extracting Co. Ballinger & Perrot, Philadelphia, Penn., Arch.

**N. J., Newark**—Balbach Smelting Co., Ave. R and Doremus Ave., will build one-story steel storage building. Estimated cost, $10,000.

**N. J., Newark**—Joseph Oschwald will build garage at 359 Halsey St. Estimated cost, $20,000.

**N. J., Newark**—Celluloid Co. will build warehouse at 78 Darcy St. at estimated cost of $30,000.

**N. J., Plainfield**—Plans prepared for addition to machine-plant of Pond City Machine Tool Co.

**N. J., Trenton**—Ajax-Grieb Rubber Co. will build three-story, 200x350-ft. addition to its tire plant.

**Penn., Beaver Falls**—Shelby Steel Tube Co., Ellwood City, will build additions to its plant at estimated cost of $1,500,000. J. J. Dunn, Supt.

**Penn., Chester**—Stewart Distilling Co., Philadelphia, will build plant on Delaware River. Estimated cost, $500,000.

**Penn., Ellwood City**—U. S. Steel Corporation will build rolling mills and openhearth furnaces at estimated cost of $1,500,000, according to press reports.

**Penn., Pittsburgh**—Liquid Fuel Combustion Co. will build two factories at Main and Sycamore St., 84x136 and 96x136 ft. respectively.

**Penn., Shamokin**—J. H. and C. K. Eagle plan to build addition to their silk mills. Estimated cost, $500,000.

**Del., Wilmington**—William Freihofer Baking Co. will build bakery, stable and power plant. Peucket & Wunder, 310 Chestnut St., Philadelphia, Penn., Arch.

**Md., Baltimore**—Carnegie Steel Co. plans storage and power building at its plant on Wicomico St. H. D. Bush, Supt.

**Va., Norfolk**—Norfolk & Western Ry. will build shops. J. E. Crawford, Roanoke, Ch. Engr.

**W. Va., Martinsburg**—Adamantine Clay Products Co. will rebuild its plant at North Mountain which was recently destroyed by fire. Estimated cost, $75,000.

**N. C., Charleston**—Riverside Iron Works Co. will build plant on Metting St. Estimated cost, $25,000.

**N. C., Concord**—Norcott Mills is having plans prepared for three-story mill. W. G. Broadfoot, Secy.

**Ga., Atlanta**—Atlanta Warehouse Co. will build cotton warehouse at Stewart Ave. and Glenn St. Estimated cost, $400,000.

**Tenn., Murfreesboro**—A company will be formed to build three-story brick underwear mill. Charles C. Groat, W. C. Bibro and T. H. Harrison are interested.

**Ky., Louisville**—Speed Realty Co. will build six-story warehouse for Stewart Dry Goods Co. Estimated cost, $40,000.

**Ohio, Ashtabula**—Missouri Iron Co., St. Louis, will build foundry. Arthur G. McKee, 1301 Rockefeller Bldg., Cleveland, Arch.

**Ohio, Canton**—Gordon Rubber Co. will build additions to its factory. Estimated cost, $300,000.

**Ohio, Cincinnati**—Plans being prepared by Stegner & Hughes, Arch., for six-story, 100x100-ft., addition to factory of Huenefeld Co., Spring Grove Ave., Camp Washington.

**Ohio, Cincinnati**—Weidman Co. has plans for seven-story warehouse at West Ninth St. and Mandrake Ave., N. W.

**Ohio, Cleveland**—Steel Products Co. has plans for plant at 2943 Parkwood Drive. Estimated cost, $30,000.

**Ohio, Cleveland**—Bids being received by Franz C. Warner, Hippodrome Bldg., for three-story and basement, 57x170-ft. and one-story, 54x110-ft. garage and sales building for Hudson Stuyvesant Motor Co., 1914 Euclid Ave. Estimated cost, $60,000.

**Ohio, Cleveland**—Tropical Oil and Paint Co., Cleveland, is having plans prepared by C. W. Courtney, Leader News Bldg. for factory on West 70th St.

**Ohio, Yorkville**—Wheeling Steel and Iron Co., Wheeling, W. Va., will make improvements to its tin-plate plant at Yorkville.

**Ind., Indianapolis**—John B. Bright, Indianapolis, will build a warehouse at 113 South Meridian St. Estimated cost, $30,000.

**Ind., Indianapolis**—National Motor Co. will build factory at 22 and Yandes St. Estimated cost, $50,000.

**Mich., Escanaba**—Michigan Tanning and Extract Co. is having plans prepared for 70x900-ft. reinforced-concrete factory near Escanaba.

**Ill., Chicago**—Hump Hairpin Co. secured a site and will build two-story factory at Prairie Ave. and 20th St. Alfred S. Alschuler, Arch. Estimated cost, $150,000.

**Ill., Chicago**—William F. Pagels, 19 South La Salle St., has plans for two-story, 50x150-ft., brick warehouse at Grand Ave. and Noble St. Estimated cost, $25,000.

**Wis., Hartford**—Kissel Motor Car Co., Hartford, plans 75x100-ft. storage building, 70x110-ft. enameling shop and furnace room, four-story, 50x100-ft., office, 44x100-ft. shipping warehouse and two-story, 50x50-ft., body storehouse. O. P. Kissel in charge.

**Wis., Wausau**—Marathon Shoe Co. plans two-story, 50x120-ft., brick and concrete addition to its factory.

**Iowa, Des Moines**—Hippee Motor Supply Co. will build two-story, 50x132-ft., warehouse on Mulberry St. C. K. Denman, Arch. Estimated cost, $18,000.

**Iowa, Des Moines**—Grocers Wholesale Building Co. will build three-story, 66x132-ft., building. E. E. Pech, Mgr.

**Minn., Duluth**—Haynes Automobile Co. will make extensions. Estimated cost, $250,000.

**Minn., Minneapolis**—Borne Aëroplane Co. will build factory. Edwin N. Potter and Arthur R. Borne are interested.

**Minn., Owatonna**—Penhallegon Radiator Co. plans factory. William F. St. Clair, interested.

**Minn., St. Paul**—Theodore A. Schulze Co. will build factory on Robert St. Estimated cost, $500,000.

**Minn., St. Paul**—Preliminary plans being prepared for 10-story, 48x150-ft., concrete terminal elevator for Equity Co-Operative Exchange. Foltz Engineering Co., 1410 Pioneer Bldg., Arch. Estimated cost, $125,000. Noted Aug. 19.

**Kan., Wichita**—Shirley Jocelyn, Beacon Bldg., contemplates three-story, 50x100-ft., brick warehouse. Estimated cost, $15,000.

**Mo., Springfield**—Press reports state Tucker, Ferguson Warehouse & Transfer Co. will build addition to its warehouse at estimated cost of $25,000. E. G. Tucker, Representative.

**Tex., San Antonio**—Edward Friedrich, 802 East Commerce St., will build factory at East Commerce and Pine St. Estimated cost, $60,000.

**Okla., Sapulpa**—International Crude Oil Storage Co. will build oil tank plant.

**Colo., Pueblo**—Nuckolls Packing Co. will build packing plant at estimated cost of $250,000. G. Harvey Nuckolls, Pres.

**Wash., Seattle**—Ford Motor Co. will enlarge assembling plant. Estimated cost, $100,000. James Couzens, Treas.

**Ore., Gresham**—H. M. Squires, Gresham, will build fireworks factory. Estimated cost, $40,000.

**Calif., Los Angeles**—American Can Co. will build 180x600-ft. factory. Estimated cost, $250,000.

### Bids In and Contracts Awarded

**Maine, Portland**—Contract awarded to CHARLES B. HOWATT & SON, for rebuilding factory for Twitchell Champlin Co., on Commercial St. Noted Sept. 23.

**Maine, Saco**—Contract awarded to FRED L. EMMONS & CO., Biddeford, at $26,740, for shoe factory for Sears-Roebuck Co.

**Mass., Boston**—Contract awarded to FRED T. LEY CO., Springfield, for pattern shop for Mead Morrison Co., on Prescott St., East Boston. Estimated cost, $70,000.

**Mass., Brockton**—Contract awarded to THOMAS F. CROWELL, Brockton, at $155,000, for factory for Diamond Shoe Co. Noted Aug. 12.

**R. I., Providence**—Contract awarded to CRUISE & SMILEY CONSTRUCTION CO., 12 East Ave., Pawtucket, at about $12,000, for one-story, 41x101-ft., laboratory for Revere Rubber Co., Eastern Ave., Chelsea.

**Conn., Hartford**—Contract awarded to ROBERT PORTEUS, Hartford, at about $40,000, for factory at Franklin Ave. and Goodrich St. for Asa S. Cook Co.

**Conn., New Britain**—Contract awarded to B. H. HIBBARD CO., New Britain, by Hartford Auto Parts, Inc., for two-story, 60x210-ft. factory.

**N. Y., New York**—(Borough of Brooklyn)—(Official)—Contract awarded to BORGEA CONSTRUCTION CO., 69 Mills St., Long Island City, at $11,500, for two-story, 39x100-ft. brick factory for Rosario Drago, 404 East 104th St., Manhattan, at Willow Ave. and St. Johns Pl.

**N. Y., Poughkeepsie**—Contract awarded to EDGAR V. ANDERSON, 39 Market St., for two-story packing plant at 38 Cottage St., for Nelson Morris & Co., 38 Cottage St. Estimated cost, $40,000.

**Penn., Pittsburgh**—Contract awarded to D. T. RIFFLE, for factory for Wolverine Supply & Mfg. Co., at Page and Fontella St.

**Ohio, Akron**—Contract awarded to W. A. FRANKLIN for two, two-story factories for Kelly-Springfield Tire & Rubber Co.

**Ohio, Cincinnati**—Contract awarded to JOHN LACKER by Otto Armleder Co., York Ave. near Western Ave. for commercial garage. Estimated cost, $15,000.

**Wis., Beloit**—Contract awarded to SCHNEIBERG & DEARHAMMER, Beloit, by Gardner Machine Co. for machine-shop addition.

**Wis., Watertown**—Contract awarded to F. A. WILLENBOCKEL, 507 Tenth St., Watertown, by Watertown Table Slide Co., Harp St., for one-story, 50x100-ft. shop addition.

**Neb., Omaha**—(Official)—Contract awarded by Ford Motor Co. to HODGEON CONSTRUCTION CO., St. Paul, Minn., for assembling plant. Noted Aug. 26.

**Tex., San Benito**—Contract to NYSTROM BROS., by Creamery-Dairy Co., San Antonio, for branch dairy. Estimated cost, $10,000. Noted Aug. 12.

**Wash., Tacoma**—Contract awarded to CORNELL BROS., Tacoma, at about $250,000, for four steel buildings for Tacoma Smelting and Refining Co.

## FEDERAL GOVERNMENT WORK

### Proposed Work

**Flooring**—Boston, Mass.—(Official)—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., for reinforced-concrete floor in pattern shop, Building No. 42, United States Navy Yard.

**Dredging**—New London, Conn.—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Oct. 2, for dredging at Naval Station, New London.

**Riprap**—Keansburg, N. J.—(Official)—Bids will be received by J. T. Yates, Lighthouse Inspector, Tompkinsville, N. Y., until 2 p.m., Oct. 4, for riprap bulkhead wall and making repairs to jetty at Point Comfort Light Station, Keansburg.

**Post Office**—East Pittsburgh, Penn.—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Nov. 6, for post office at East Pittsburgh.

**Riprap**—Philadelphia, Penn.—Bids will be received at U. S. Engineer Office, Philadelphia, until noon, Oct. 14, for riprap in the Delaware River at Mifflin Bar Dike. (See Adv.)

**Chain Shafts**—Washington, D. C.—Bids will be received by A. P. Davis, Ch. Engr., U. S. Reclamation Service, Washington, D. C., until 2 p.m., Nov. 8, for chain shafts and chains for rolling crest of Grand River Diversion Dam, Grand Valley project, Colorado. (See Adv.)

**Hoists**—Washington, D. C.—Bids will be received until 2 p.m., Oct. 23, at the office of Chief of Engineers, U. S. Army, Washington, D. C., for 12-in. projectile hoists. (See Adv.)

**Machinery**—Washington, D. C.—Bids will be received by A. P. Davis, Ch. Engr., U. S. Reclamation Service, Washington, D. C., until 2 p.m., Oct. 29, for operating mechanism for two cylinder gates of 12 ft. diameter for Sherburne Reservoir, Milk River Project, Montana, and a duplicate set for Keechelus Reservoir, Yakima Project, Washington. (See Adv.)

**Building**—Norfolk, Va.—(Official)—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Oct. 23, for school building at St. Helena Navy Yard, Norfolk.

**Hangers**—Pensacola, Fla.—(Official)—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Oct. 16, for three hangers at U. S. Navy Aëronautic Station, Pensacola.

**Dry-Dock Gate**—Louisville, Ky.—Bids will be received at U. S. Engineer Office, Louisville, until noon, Oct. 22, for one mitering dry-dock gate of two leaves. (See Adv.)

**Post Office**—Merrill, Wis.—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Nov. 1, for post office at Merrill.

**Excavation, Etc.**—St. Ignatius, Mont.—(Official)—Bids will be received by A. P. Davis, Ch. Engr., Dept. of Interior, U. S. Reclamation Service, St. Ignatius, Mont., until 3 p.m., Oct. 12, for about 10 miles of laterals and appurtenant structures, involving about 43,000 cu.yd. of excavation, 140 cu.yd. of concrete, 430 sq.yd. of paving, placing about 9,800 pounds reinforcing steel and placing in wooden structures of 32,000 ft. b. m. of lumber on east bank of Flathead River, one to seven miles northeast of Dixon.

**Granary and Hay Shed**—Ft. Bliss, Tex.—Bids will be received at office of Depot Quartermaster, El Paso, until 11 a.m., Oct. 27, for one granary and one hay shed at Ft. Bliss. (See Adv.)

**Post Office**—New Braunfels, Tex.—Bids will be received until 3 p.m., Nov. 5, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for post office.

**Canal Work**—Montrose, Colo.—(Official)—Bids will be received by A. P. Davis, Ch. Engr., Dept. of Interior, U. S. Reclamation Service, Montrose, Colo., until 4 p.m., Oct. 20, for about 11 miles of Ironstone Canal, Uncompahgre Valley project, vicinity of Olathe, Colo.

**Crane**—Panama—Bids will be received by Major F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., until 10:30 a.m., Nov. 3, for material for a complete locomotive jib crane of 50 gross tons capacity for Dry Dock No. 1, Balboa Terminals, Balboa, Canal Zone, Panama.

**Miscellaneous Supplies**—Panama—Bids will be received by Major F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., until 10:30 a.m., Oct. 8, for manufactured metal supplies, transformers, etc.

**Miscellaneous Supplies**—Panama—Bids will be received by Major F. C. Boggs, Gen. Pur. Officer, Panama Canal, Washington, D. C., until 10:30 a.m., Oct. 6, engine lathe, forcing press, bench filing machines, etc.

**Storage Plant**—Peking, China—(Official)—Bids will be received by H. R. Stanford, Ch. of Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Oct. 16, for ice-making and cold-storage plant at U. S. Marine Barracks, Peking, China.

### Bids In and Contracts Awarded

**Post Office**—Gouverneur, N. Y.—Contract for post office at Gouverneur awarded to JAMES DEVAULT, Canton, Ohio, at $52,000. Noted Aug. 5 and Sept. 23.

**Inlet Repairs**—Cold Spring, N. J.—Contract for stone repair to Cold Spring Inlet awarded to COAST AND LAKES CONSTRUCTION CO., New York, N. Y., at $29,520. Noted Aug. 5 and Sept. 23.

**Barracks**—Norfolk, Va.—Bids were received at the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for brick marine barracks building at Norfolk as follows: Norcross Bros. Co., Worcester, Mass., $199,800; George E. Wyne, Washington, D. C., $207,500; P. F. Gormley, Washington, D. C., $207,222. Noted Aug. 26.

**Piling**—Louisville, Ky.—(Official)—Bids were received at U. S. Engineer Office, Louisville, for steel sheet piling for Dam No. 43, Ohio River, as follows: Jones & Laughlin Steel Co., Pittsburgh, Penn., $37,804; Carnegie Steel Co., Pittsburgh, Penn., $34,111 (low bidder); Lackawanna Steel Co., Lackawanna, Penn., $35,791.

**Post Office**—Ypsilanti, Mich.—Contract for post office at Ypsilanti awarded J. S. WAHLMAN, Ishpeming, at $49,330.

**Post Office**—Fulton, Mo.—Contract for post office at Fulton awarded to BALKAN CONSTRUCTION CO., Monadnock Bldg., Chicago, Ill., at $46,337. Noted Aug. 5 and Sept. 16.

**Revetment**—Kansas City, Mo.—Contract for 13,000 lin.ft. of revetment on Missouri River awarded to KANSAS CITY BRIDGE CO., Orear-Leslie Bldg., Kansas City, at $106,340. Noted Aug. 26.

**Barracks**—Mare Island, Calif.—Bids were received at the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for marine barracks building at Mare Island from: Pringle, Dunn & Co., San Francisco, $143,543; William A. Newsome, San Francisco, $143,387. Noted Aug. 26.

## CANALS—DITCHES AND IRRIGATION

### Proposed Work

**Barge Canal Work**—Albany, N. Y.—(Official)—Bids will be received by W. W. Witherspoon, Supt. Pub. Wks., Capitol, Albany, until noon, Oct. 26, for Terminal Contracts Nos. 20 and 50. (See adv.)

**Drainage**—Albany, Ill.—Bids will be received by the Commissioners of Meredosia Levee and Drainage District until 4 p.m., Oct. 14, for excavating about 86,960 cu.yd. of earth for 6½ miles of drainage ditch.

**Ditch**—Ada, Minn.—Bids will be received until 2 p.m., Oct. 2, by Commissioners of Norman County, Court House, for enlarging, cleaning and repairing County Ditch No. 3.

**Ditch**—Breckenridge, Minn.—Bids will be received by P. E. Truax, County Audr., until 10 a.m., Oct. 6, for Ditch No. 8-A, Wilkinson County. Estimated cost, $12,228.

**Ditch**—Breckenridge, Minn.—Bids will be received by P. E. Truax, County Audr., until 10 a.m., Oct. 12, for Ditch No. 4-A, Wilkin County. Estimated cost, $19,049.

**Ditch**—Fosston, Minn.—Bids will be received by O. M. Brandt, Village Recdr., until 8 p.m., Oct. 4, for clearing and deepening County Ditch No. 48.

**Irrigation**—Lyman, Wyo.—An irrigation project will be established near Lyman to reclaim 30,000 acres of land. Water will be secured from Black's Fork, a tributary of Green River. Joseph W. Field, Lyman, interested.

**Drainage**—Marion, Ark.—(Official)—Drainage bonds for $160,000 sold. Noted Sept. 16.

**Drainage**—Ennis, Tex.—Drainage and Levee District No. 2 voted $125,000 bonds to reclaim 12,000 acres on Trinity River from Slate Rock to cut-off.

**Drainage**—Victoria, Tex.—Bids will be received by Herman Fisher, Clk., Victoria County, until noon, Oct. 14, for improving Drainage Ditch No. 3. J. G. Johnson, Victoria, Engr.

**Irrigation**—Cimarron, N. M.—Plans being prepared by James A. French, Engr., for dam on Red River to reclaim about 20,000 acres of land. Costilla Estates Development Co., interested.

**Drainage**—North Yakima, Wash.—Bids will be received by Commissioners of Yakima County until Oct. 4, for drainage system in Drainage Improvement District No. 27.

**Irrigation**—Baker, Ore.—Baker Irrigation Ditch Co. will build reservoir, four miles long in Sumpter Valley Cañon, 15 miles south of Baker. Estimated cost, $500,000. S. S. Start, Baker, representative.

**Drainage**—Santa Ana, Calif.—Westminster Drainage District voted $25,000 bonds for drainage system to reclaim about 5,000 acres of land.

**Drainage**—Westminster, Calif.—Contract will be awarded about Jan. 1 for ditches for draining about 6,000 acres. Estimated cost, $25,000.

### Bids In and Contracts Awarded

**Barge Canal Work**—Albany, N. Y.—Contract for Terminal Contract No. 40 awarded to J. E. BISHOP, Syracuse, at $25,515. Noted Sept. 23.

**Drainage**—Atlantic, Iowa—(Official)—Contracts awarded by Auditor of Cass County for Indian Creek Drainage Ditch No. 1 to LANA CONSTRUCTION CO., Council Bluffs, at 7.5c. per cu.yd. Noted Sept. 16.

**Ditch**—Bemidji, Minn.—Contracts for Judicial Ditch No. 31 awarded as follows: Clearing and grubbing, G. N. CLIFFORD, Minneapolis, at $7,999; excavation, RIDER & JONES, Minneapolis, at $32,676; road leveling, HARTMAN & BECK, Kelliher, at $7,565.

**Ditch**—Breckenridge, Minn.—Contract for Judicial Ditch No. 6 awarded to C. W. ROOD CONSTRUCTION CO., Grand Rapids, Wis. Estimated cost, $12,000. oNted Sept. 2.

**Ditch**—Litchfield, Minn.—Contract for Union Grove ditch awarded to NORTHERN MINNESOTA DRAINAGE CO. Work includes 13,000 cu.yd. of excavation.

**Ditch**—Victoria, Tex.—Contract for ditch in Drainage District No. 2 awarded to W. D. McCURDY, Lake Pacedo, at $16,000.

**Irrigation**—Oakdale, Calif.—Trustees of Oakdale Irrigation District awarded contract for steel pipe to WESTERN PIPE AND STEEL CO., San Francisco, at $11,114.

## MISCELLANEOUS

### Proposed Work

**Tunnel**—Boston, Mass.—Harvard Improvement Association, Dorchester, is interested in project to extend Washington St. tunnel to Dorchester and probably to Mattapan. Estimated cost, $8,000,000.

**Coal Pier**—Baltimore, Md.—Plans prepared for coal pier at Curtis Bay, Baltimore, for Baltimore & Ohio R.R. Estimaetd cost, $1,500,000.

**Levee**—Water Valley, Miss.—Board of Supervisors of Coffeeville passed resolution to join with Panola County to build levee across Yocona bottom, about five miles west of Water Valley.

**Barge Line**—Shreveport, La.—Election will soon be held to vote $100,000 bonds for barge line between Shreveport and New Orleans. Noted Sept. 23.

**Comfort Stations**—Cleveland, Ohio—Election will be held in November to vote $100,000 bonds for comfort stations.

**Pavilion**—Oxford, Ohio—Bids will be received by W. L. Tobey, Chn. Bldg. Com., Miami University, until Oct. 19 for pavilion.

**Flood Gates**—East St. Louis, Ill.—Press reports state that new flood gates will be constructed at mouth of Cahokia Creek.

**Tunnel**—Woodward, Iowa—Bids will be received by F. S. Treat, Secy., State Bd. Control, about Oct. 4 for tunnel at State Epileptic Farm. Estimated cost, $20,000.

**Levee**—Blytheville, Ark.—Board of Commissioners St. Francis Levee District voted $100,000 bonds for levee work.

**Levee**—South Bend, Ark.—Bids will be received until Oct. 4 by Linwood and Auburn Levee Board, Varner, for levee at South Bend. Work includes about 65,000 cu.yd. of earth. C. C. Price, Dumas, Engr.

**Wharves, Docks, Etc.**—Orange, Tex.—Plans being prepared for municipal slips, wharves, docks and other improvements. Noted Aug. 5.

**Seawall**—Port Arthur, Tex.—Preliminary plans being prepared by J. F. Coleman, Consult. Engr., New Orleans, La., for seawall at Port Arthur.

**Tunnel**—Seattle, Wash.—Construction of Norman St. tunnel to cost $412,590 recommended to Port Commission.

**Bulkhead and Walk**—Longbeach, Calif.—Plans being prepared by Charles Voorhies, Engr., 188 Montague St., New York, N. Y. (Borough of Brooklyn),, for bulkhead and walk along west beach.

### Bids In and Contracts Awarded

**Dredging**—Barnstable, Mass.—Contract awarded to JOHN R. BURKE, 78 Devonshire St., Boston, at $8,424, for dredging in Lewis Bay.

**Dredging**—Waltham, Mass.—Contract for dredging in Charles River from Elm St. to Bleachery Dam awarded to JOHN R. BURKE, 78 Devonshire St., Boston, at $14,166. Noted Sept. 16.

**Pier Shed**—New York, N. Y.—(Borough of Brooklyn)—(Official)—Department of Docks and Ferries awarded contract for pier shed at 29th St. to McHARG-BARTON CO., [illegible] Madison Ave., Borough of Manhattan.

**Structural Steel**—New York, N. Y.—(Borough of Brooklyn)—Public Service Commission awarded contract to PHOENIX BRIDGE CO., 49 William St. (Borough of Manhattan), for structural steel for third-tracking Myrtle Ave. elevated railroad from Broadway to Wyckoff Ave., at $[illegible] per ton.

**Pier Shed**—New York, N. Y.—(Borough of Manhattan)—(Official)—Contract awarded to T. J. WATERS CO., 241 West 125th St., New York, at $37,000, by Department of Docks and Ferries, for pier shed at 23d St. and North River. Noted Sept. 16.

**Barge-Fuel Flats**—Cincinnati, Ohio—Contract for four steel fuel flats and two steel barges for Ohio River Improvement, Cincinnati District, awarded STACEY MFG. CO., Cincinnati, at $34,848.

**Elimination of Grade Crossing**—Cleveland, Ohio—Contract for excavation work for Union Ave. grade crossing awarded to ROBERT GRACE CO., at $103,273; steel work, to KING BRIDGE CO., at $34,892.

**Comfort Stations**—Columbus, Ohio—Director of Public Service awarded contract for comfort stations to STANDARD PAVING CO., at $17,818. Noted Aug. 5.

**Creek**—Crystal Falls, Mich.—Bristol Mining Co. awarded contract for changing course of Briar Hill Creek to HICKS & BARBER, Vulcan.

**Steamers**—Galveston, Tex.—Contract for salvaging six steamers at Galveston and Texas City awarded to HENDERSON IRON WORKS, Mobile, at $272,000.

**Block Signals**—Oakland, Calif.—Contract for automatic block-signal system and interlocking plant for San Francisco, Oakland Terminal Rys., awarded to UNION SIGNAL CONSTRUCTION CO., Swissvale, Penn., at $36,500.

## BUILDINGS

*Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."*

### Proposed Work

**Maine, Portland**—School Board revising preliminary plans for high school, and they will be redrawn by Miller & Mayo, Arch. Noted Aug. 12.

**Mass., Worcester**—Plans being prepared by George C. Halcott, Supt. of Pub. Bldgs., for two-story, brick ward building at Belmont Hospital. Estimated cost, $50,000.

**R. I., Providence**—Bids will be received until 2:15 p.m., Oct. 4, by city for police station at Wayland Ave. and Sessions St. William C. Pelkey, Clk.

**Conn., New Haven**—Music building will be built at Yale University as memorial to Albert Arnold Sprague, Chicago, Ill.

**N. Y., New York**—(Borough of Bronx)—N. Serracino, Arch. 1170 Broadway, Manhattan, prepared plans for church at East 187th St. and Tiebout Ave. for East 187th St. United Presbyterian congregation. Estimated cost, $40,000.

**N. Y., New York**—(Borough of Brooklyn)—Bids will be received about Nov. 1 by Park Commisison for two-story lecture hall and greenhouse extension for Brooklyn Botanic Garden. McKim, Mead & White, 101 Park Ave., New York, Arch.

**N. Y., New York**—(Borough of Manhattan)—Plans prepared by Berlinger & Moscowitz, 527 Fifth Ave., for temple for Mount Neboh congregation at 150th St., near Broadway. Estimated cost, $80,000.

**N. Y., New York**—(Borough of Manhattan)—(Official)—Crow, Lewis & Wickenhoeffer, 200 Fifth Ave., prepared plans for 12-story, 125x125-ft. reinforced-concrete loft at 318 39th St., for 324 West 39th St. Corporation.

**N. Y., New York**—(Borough of Manhattan)—Plans being prepared by Joseph C. Schaeffler & Co., 38 West 32nd St., for two-story store and office building at 1604 Broadway for Fleischmann Co., 701 Washington St. Estimated cost, $50,000.

**N. Y., Syracuse**—Bids will be received until Oct. 4 for Delaware school at Delaware and Geddes St. D. R. Roney, Bd. of Contract and Supply. Noted Sept. 2.

**N. J., Atlantic City**—Bids will soon be received by M. H. Dickinson, Arch., Philadelphia, Penn., for one-story concrete and brick building for Morris Amusement Co. at Chelsea.

**Penn., Philadelphia**—Bids will be received about Oct. 15 for four-story, brick and marble building at 833 Market St. for Blauner & Co., Inc. Estimated cost, $110,000. Hoffman Co., Arch.

**Md., Baltimore**—Plans prepared by Joseph Evans Sperry, Arch., Calvert Bldg., for seven-story, 69x141-ft. Y. W. C. A. I. F. Harmon, Secy.

**D. C., Washington**—Marsh & Peter, 520 14th St., preparing plans for building at Tennallytown Rd and Rockville Pike for Georgetown University. A. J. Donlan, Pres. Estimated cost, $300,000.

**Va., Lexington**—(Official)—Bids will be received until 10 a.m., Oct. 11, by Building and Grounds Committee of Board of Visitors, Virginia Military Institute for three-story brick building for Virginia Military Institute. M. B. Corse, Secy.

**Va., Roanoke**—Bids will be received until Oct. 8 by Roanoke Auditorium Co. for one-story and basement, 100x200-ft. auditorium and convention hall. Estimated cost, $50,000. H. M. Miller, Roanoke, Arch.

**W. Va., Trindelphia**—F. F. Farris, 420 Schmulbach Bldg., Wheeling, preparing plans for two-story and basement school. Estimated cost, $125,000. S. S. Jacob, Jr., Secy., Bd. of Education.

Ga., **Macon**—(Official)—Bids will be received until Oct. 12 by Alfred Bellheimer, 7 East 42 St., New York, N. Y., for three-story, 84x245 ft. main station, 54x112-ft. baggage building and 54x132-ft. express building for Central of Georgia R.R. Co. Estimated cost, $1,000,000.

Ky., **Louisville**—Bids will be received until 3 p.m., Oct. 8, by Samuel D. Jones, Bus. Dir., Bd. of Education, for alterations and addition to Central Colored High School at Ninth and Chestnut St. J. Earl Henry, Arch.

Ohio, **Akron**—(Official)—Bids will soon be received for club house for Firestone Tire & Rubber Co. Building will be four-stories, 125x145-ft. Trowbridge & Ackerman, 62 West 45th St., New York, N. Y., Arch. Estimated cost, $175,000.

Ohio, **Cincinnati**—Louis Braudy, Pres. of Jumbo Cone Co., will build department store at Plum and Sixth St. Estimated cost, $60,000.

Ohio, **Cleveland**—Walker & Weeks, 1900 Euclid Ave., Cleveland, has prepared plans for two-story bank and office building at St. Clair Ave. and East 79th St., for Garfield Savings Bank. Estimated cost, $50,000.

Ohio, **Columbus**—Frank Packard, New Hayden Bldg., Columbus, preparing plans for eight-story office and commercial building at High and Wall St. Estimated cost, $300,000.

Ohio, **Findlay**—(Official)—Bonds for $100,000 have been sold by county for county infirmary building. Jean C. Copeland, County Comn. Clk. Noted Sept. 2.

Ind., **Sullivan**—County Council contemplates building courthouse for Sullivan County. Estimated cost, $200,000. John Mattix, Comr.

Wis., **Milwaukee**—Bids will be received about Oct. 15 by Frank M. Harbach., Secy., Bd. of Education, for public school on 15th Ave. Estimated cost, $80,000.

Wis., **Neenah**—Plans submitted by Edward Bergstrom, Arch., Los Angeles, Calif., for hotel for Merchants and Manufacturers Hotel Co. Frank J. Sensenbrenner, Pres. Estimated cost, $100,000.

Wis., **Oshkosh**—Bids will soon be received by State Board of Normal Regents, Madison, for normal school at Oshkosh. Estimated cost, $70,000. Willlam Kittle, Madison, Secy.

Wis., **Racine**—Methodist Episcopal Conference plans church at University of Wisconsin. Estimated cost, $100,000.

Wis., **Waukesha**—City Council petitioned by Board of Education to appropriate $75,000 for new high school and $20,000 for grade school and $25,000 for central heating plant for three schools. J. M. Kerr, Secy.

Iowa, **Waterloo**—School Board plans to rebuild Hawthorne school at estimated cost of $75,000. W. H. Brunn, Secy.

Minn., **Duluth**—Knights of Columbus will build lodge at econd St. near Third Ave. Estimated cost, $75,000.

Minn., **Minneapolis**—Frank J. Mackey will build 13-story fireproof hotel on site of Hotel Nicollet.

Kan., **Coffeyville**—Citizens voted $55,000 bonds for improvements to schools.

Neb., **Omaha**—Harry Lawrie preparing plans for motion picture theater. Estimated cost, $150,000.

Wyo., **Riverton**—Plans being prepared for seminary for Episcopal Church of Wyoming. B. S. Thomas, Cheyenne, Bishop. Estimated cost, $100,000.

Mo., **Carthage**—Citizens of Jasper County voted in favor of $100,000 bond issue for sanitarium for tuberculosis patients. Noted Aug. 5.

Mo., **Kansas City**—Moshey Zkeniem Society contemplates home for aged. S. M. Cohen, 1425 Locust St., Representative. Estimated cost, $50,000.

Mo., **St. Louis**—Waterways Committee recommends municipal block. Estimated cost, $250,000.

Tex., **Denison**—Y. M. C. A. contemplates association building at estimated cost of $100,000.

Utah, **Salt Lake City**—Plans being prepared for normal and industrial building for University of Utah. Estimated cost, $55,000. J. T. Kingsbury, Pres.

Wash., **Seattle**—Plans being prepared for five-story, 60x120-ft., reinforced-concrete addition to Raleigh Hotel, Fourth Ave. and Pike St. for Northern Bond & Mortgage Co. Estimated cost, $75,000.

Ore., **Marshfield**—Plans being prepared by Houghtaling & Dougan, Portland, for three-story brick building for Elks' Lodge. Estimated cost, $60,000.

Ore., **Portland**—F. A. Naramore, Portland, prepared tentative plans for Benson Polytechnic School for School Board. Estimated cost, $600,000.

Calif., **Santa Barbara**—Presbyterian Church secured a site on Anapamu St. and will build edifice at estimated cost of $60,000. Bert Moore, C. A. Black and others, Bldg. Com.

Ont., **Toronto**—International Petroleum Co., Dominion Bank Bldg., will build office building. Estimated cost, $150,000. H. F. Miller, Mgr.

### Bids In and Contracts Awarded

**N. H., Concord**—Contract awarded to HUTCHINSON BUILDING CO., at $63,650 for addition to State Hospital.

**Mass., Fall River**—Contract awarded to CHARLES E. CURRIER CO., 110 Summer St., Boston, at about $125,000, for hospital for Stephens Clinic Union Hospital, Fall River.

**Mass., Milford**—Dillon Bros., Milford, at $69,873, was low bidder for brick construction, and P. L. Sarty, Milford, at $77,727, was low bidder for granite construction, for school. Noted Aug. 5.

**Conn., Greenwich**—Contract awarded to J. W. BISHOP CO., New York, N. Y., for hospital at Lake and Lafayette Pl., for E. C. Benedict as a gift to city and to CALDWELL-WINGATE CO., 381 Fifth Ave., New York, N. Y., for masonry. Estimated cost, $200,000.

**Conn., Hartford**—Contract awarded to F. KAPLAN & SON, Hartford, at about $40,000, for apartment and store for M. S. Sheketoff.

**N. Y., Binghamton**—Contract awarded to BINGHAMTON BRIDGE CO., Press Bldg., by Carlton Hotel Co. for five-story hotel at 118 Chenango St. E. W. Rickerman, Perry Bldg., Arch.

**N. Y., New York**—(Borough of Manhattan)—(Official)—Contract awarded to WILLIAM L. CROW CONSTRUCTION CO., 103 Park Ave., at $200,000 for 90x100-ft. church at 93d St. and Amsterdam Ave. for Central Baptist Church. Noted Aug. 12.

**N. Y., New York**—(Borough of Manhattan)—Contract awarded to MARMAC CONSTRUCTION CO., 316 West 30th St., Manhattan, for three-story, 65x100-ft. loft at 36 West 29th St., for Mrs. M. Xareira, 106 Sixth Ave.

**N. Y., White Plains**—(Official)—Contract awarded to JOHN T. BRADY & CO., 103 Park Ave., New York, at $494,740, for addition to courthouse. Noted Aug. 19.

**N. J., Bayonne**—(Official)—Contract will be awarded about Oct. 15 for two-story, 50x70-ft. brick building for New York Telephone Co., 15 Dey St., New York, N. Y., at Broadway and East 39th St., Bayonne H. C. Carpenter, 25 Dey St., New York, N. Y., Arch. Estimated cost, $45,000.

**N. J., Englewood**—Kelly Construction Co., at $130,000, was low bidder for school on Engle St. near Palisade Ave. for Board of Education.

**N. J., Newark**—Contract awarded to R. W. PATRICK, 100 Montclair Ave., Newark, for three-story, 50x100-ft., school at 31 Mulberry St., for St. Johns R. C. Church.

**Penn., Fairview**—Contract awarded to P. J. HURLEY CO., Bayside, N. Y., at about $300,000, for three buildings for Criminal Insane.

**Penn., Hanover**—(Official)—Contract awarded to O. H. HOSTETTER, Hanover, for high school. Noted Sept. 16.

**W. Va., Beckley**—Contract awarded to D. J. PHIPPS, Roanoke, Va., by Commissioners of Raleigh County for three-story, 42x80-ft. jail for county. Estimated cost, $40,000.

**S. C., Columbia**—Contract awarded to GEORGE W. WARING, Columbia, at $97,979, for high school.

**Tenn., Nashville**—Contract awarded to SOUTHERN FERRO CONCRETE CO., Atlanta, Ga., at about $125,000, for three-story office building for Nashville Property Co.

**Ky., Louisville**—Contract awarded to BAILEY & KOERNER, Louisville, at about $250,000, for ten-story addition to Tyler Hotel on Jefferson St. Noted Aug. 12.

**Ohio, Canton**—Contract awarded to J. L. VAN KIRK & SONS, Canton, at about $40,000, for chuck for First Congregational Church.

**Ohio, Cincinnati**—Contract awarded to J. B. SCHMIDT, Cincinnati, for remodeling Washburn and Lincoln Public School. Noted Aug. 19.

**Ohio, Cincinnati**—Contract awarded to WILLIAM MILLER & SON, 2023 Elm St., Cincinnati, for addition to manual training department of Oyler School. Noted Aug. 26.

**Ohio, Cleveland Heights**—(Warrensville post office)—Contract awarded to FATH CONSTRUCTION CO., Illuminating Bldg., Cleveland, at about $100,000, for Masonic Temple at Mayfield and Lee Rd.

**Mich., Saginaw**—Contract awarded to NELSON & LEWIN, 30 North La Salle St., Chicago, Ill., for Bancroft Hotel.

**Ill., Peoria**—Contract awarded to KUHNE & MENELEY, Rantoul and Champaign, Ill., at about $45,000 for two-story and basement brick church for Central Christian Congregation.

**Wis., Milwaukee**—(Official)—Contract awarded to DAHLMAN CONSTRUCTION CO., 912 Majestic Bldg., Milwaukee, for six-story building at Chicago and Milwaukee St. P. F. Leuch, City Clk. Noted Sept. 16.

**Wis., Neenah**—Contract awarded to FRAZIER-GRIENKE CO., Appleton, for edifice for St. Thomas Episcopal Church.

**Wis., West Allis**—Contract awarded to ROBERT L. REISINGER & CO., West Allis, for edifice for Holy Assumption congregation. Noted Aug. 26.

**Iowa, Hudson**—Contract awarded to F. W. CHAPMAN, Waterloo, at $40,000, for school for Consolidated School District.

**Iowa, Iowa City**—Contract awarded to CHARLES FRANKLIN, Iowa City, at $125,000, for dentistry building for University of Iowa.

**Iowa, Orange City**—Contract awarded to H. A. MAINE CO., Waterloo, at $40,000 for two-story brick school.

**Minn., Minneapolis**—Contract awarded to J. & W. A. ELLIOTT, Lumber Exchange, at about $50,000, for three-story, 43x120-ft. brick hospital at 2001 Western Ave. Noted Aug. 12 and 19.

**Minn., Minneapolis**—Contract awarded to PIKE & COOK, at $125,000, for addition to Ashbury Hospital.

**Kan., Paola**—Contract awarded to WIMMER CONSTRUCTION CO., Victoria Bldg., St. Louis, Mo., at about $70,000, for three-story, 80x87-ft., building for Ursuline Academy.

**Neb., Lincoln**—Contract awarded to W. J. ASSANMACHER CONSTRUCTION CO., Lincoln, at $75,000, for two-story, reinforced-concrete theater for Orpheum Theater Co.

**Wyo., Cheyenne**—Contract awarded to J. W. HOWARD, Cheyenne, at $140,790, for two additional wings to Wyoming State House. Noted Aug. 19.

**Mo., Kansas City**—Contract awarded to GEORGE L. BROWN & SON, 1300 Rialto Bldg., for home for aged for G. H. Nettleton Home Association near Swope Park, at about $90,000.

**Tex., San Angelo**—Contract awarded to WILLEKE BROS., at $54,176, for high school. Noted Sept. 2.

**Wash., Grand Mound**—Contract awarded to S. C. ERICKSON, at $49,741, for brick addition to State School for Girls. Noted Aug. 26.

**Calif., Oroville**—Western Building & Engineering Co., San Francisco, at $43,843, was low bidder for Hall of Records for county.

**Calif., San Pedro**—Contract awarded to CRESMER MFG. CO., Riverside, at $79,740, for Fifth St. school. Noted Aug. 5.

# Contracts to Be Let

**Bids received until Oct. 26, 1915.**

## Barge Canal Terminals

STATE OF NEW YORK

OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

Albany, September 22nd, 1915.

NOTICE TO CONTRACTORS:—

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, October 26th, 1915, at which place and hour they will be publicly opened and read, for the construction of Barge Canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, as follows:

1. TERMINAL CONTRACT NO. 20

channel to Onondaga lake, piers, dockwalls, a spillway and a highway bridge at Syracuse.

Contract plans, sheets 1 to 29.

2. TERMINAL CONTRACT NO. 50.

For grading a terminal site and approach at Holley.

Contract plans, sheets 1 and 2.

Plans may be seen and detailed specifications, engineer's estimate of quantities proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y.; at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or the city of New York, issued by a national or state bank, or trust company, in good credit within the State and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The amount of bond required for faithful performance will be ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds, co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

W. W. WITHERSPOON,
Superintendent of Public Works.

**Bids received until Oct. 12, 1915.**

## Water-Works Improvements and Electric Light System

Lumberton, N. C.

Sealed proposals will be received by the Mayor and Board of Commissioners of Lumberton, N. C., at the Town Hall, lumberton, N. C., until 3 p.m., October 12th, for Waterworks Improvements, and for new Electric Light System.

The Waterworks Improvements consist of two concrete tub filters, brick house, concrete coagulating basin, all pipesand filter equipment, and centrifugal pumps.

The Electric Light System consists of replacing present D. C. system with about six miles of 2200/220 volt primaries and secondaries, series tungstan street light system, switchboard and transformers.

Proposals must be marked "Proposal for Waterworks," or "Proposal for Electric Light System."

Each proposal must be accompanied by a certified check for at least five per cent. of the gross amount of the bid, as an evidence of good faith.

Plans, specifications and Proposal Form may be procured from the office of the Engineer by the payment of Five Dollars ($5.00) which will be returned to those who submit regular bids accompanied by said Plans. Applicants for Plans must state the portion of the work upon which they expect to bid.

Specifications may be seen at the office of the Mayor at Lumberton, N. C., or at the office of the Engineer.

The right is reserved to reject any or all bids.

A. E. WHITE, Mayor.

Engineer: GILBERT C. WHITE, Charlotte, N. C.

**Bids received until Oct. 4, 1915.**

## Steel Bridge

OFFICE OF BOARD OF COMMISSIONERS

Greenville, Pitt County, N. C.

Sealed proposals for a small Steel Bridge, wood floor with concrete abutments on piling will be received by the Commissioners, at their office in the Pitt County Court House, on Monday, October 4, 1915, and there publicly opened.

Plans and Specifications may be obtained from the Clerk of said Board or W. C. Dresbach, Civil Engineer, Greenville, N. C., by leaving a deposit of $2.00, for their return in good condition.

A certified check for 5% of the bid must accompany each proposal as an evidence of good faith, same to be returned to bidder.

The successful Bidder will be required to furnish a satisfactory Bond in the sum of 40% per cent. of the cost of the Bridge for the true performance of the Contract and Specifications.

The right is reserved to reject any or all Bids and to award the Contract upon other considerations than that of price alone.

This, the 25th day of September, 1915.

BRASCOE BELL, Clerk,
Board of Comrs. of Pitt County, Greenville, N. C.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 21, 1915.—Sealed proposals will be opened in this office at 3 p.m., November 1, 1915, for the construction complete (including mechanical equipment and approaches) of the United States post office at Merrill, Wis. Two-story-and-basement building; ground area, 5,244 square feet; fireproof construction. Drawings and specifications may be obtained from the custodian of site at Merrill, Wis., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.